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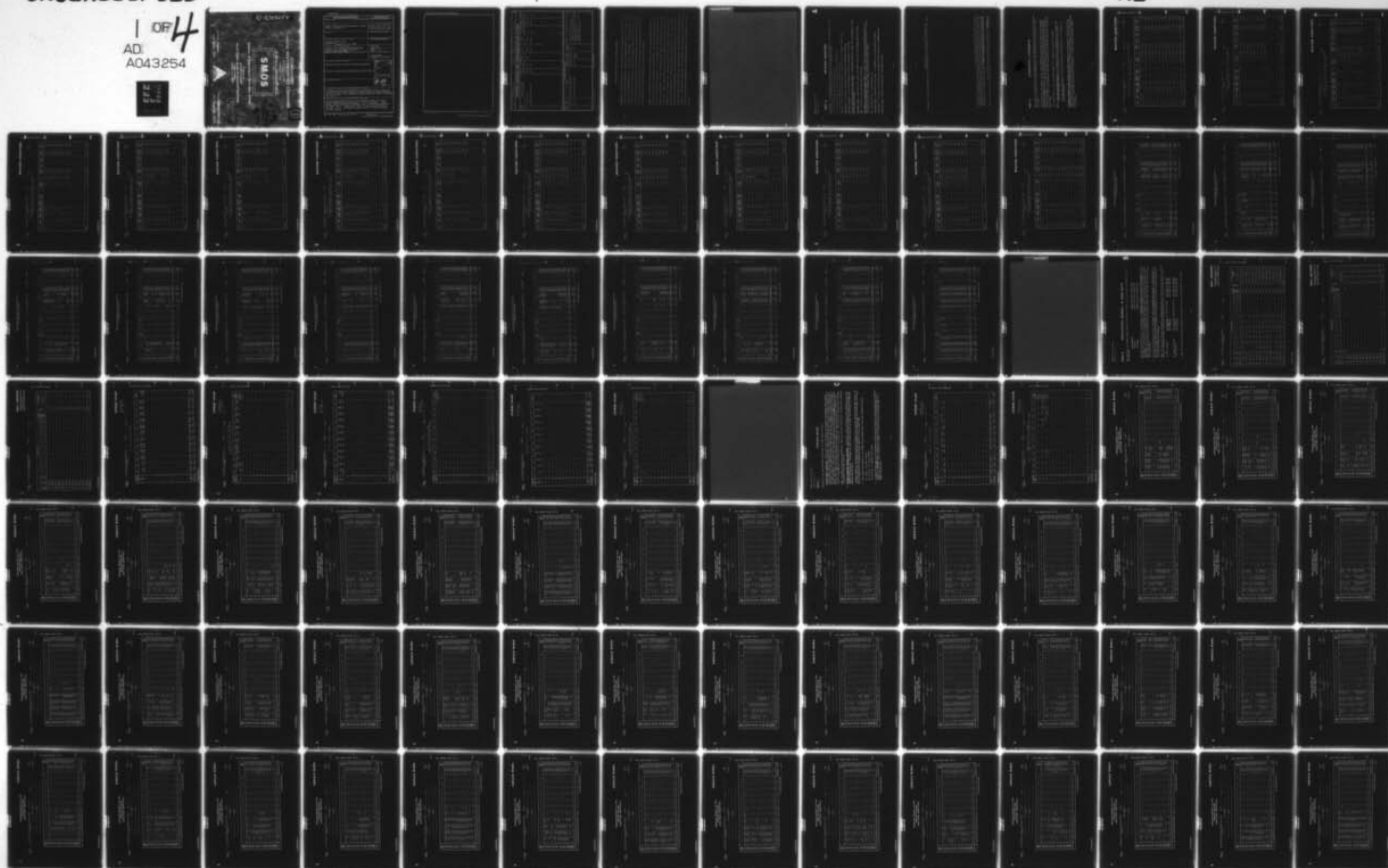
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) CHARLEST--ETC(U)  
JUL 77

F/G 4/2

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AD-A043254

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COMMANDER  
NAVAL WEATHER SERVICE COMMAND

WASHINGTON NAVY YARD  
Building 200  
Washington, D. C. 20390

3 Hourly Observations

SMOS

(Summary of Meteorological Observations, Surface)

Prepared by  
OFFICER IN CHARGE

Naval Weather Service Environmental Detachment  
Federal Building  
Asheville, N. C. 28801

Job Number: 22006  
Period: 2/13-12/76



Station: CHARLESTON, SC  
Date: July 23, 1977

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| ACCESSION for  |   |   |               |  |      |   |     |                                       |             |                          |               |  |    |  |                                 |  |       |                       |      |  |
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| DISTRIBUTION/AVAILABILITY CODES  |   |   |               |  |      |   |     |                                       |             |                          |               |  |    |  |                                 |  |       |                       |      |  |
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| A 23   |   |   |               |  |      |   |     |                                       |             |                          |               |  |    |  |                                 |  |       |                       |      |  |
| 18. SUPPLEMENTARY NOTES  |   |   |               |  |      |   |     |                                       |             |                          |               |  |    |  |                                 |  |       |                       |      |  |
| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number)<br>Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme maximum and minimum temperature, sea level pressure, daily temperature, weather conditions, monthly climatology Charleston, S. C.   |   |   |               |  |      |   |     |                                       |             |                          |               |  |    |  |                                 |  |       |                       |      |  |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number)<br>This data report consists of a six part statistical summary of surface weather observations for Charleston, S.C. The six parts are: Part A - Weather Conditions/Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure |   |   |               |  |      |   |     |                                       |             |                          |               |  |    |  |                                 |  |       |                       |      |  |

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|------------------------|--|-------------------|--|----------|--|-----------|--|--------------------|--|-----------|--|------------|--|
| STATION NO. ON SUMMARY |  | STATION NAME      |  | LATITUDE |  | LONGITUDE |  | STATION ELEV. (FT) |  | CALL SIGN |  | RMO NUMBER |  |
| 13758                  |  | Charleston, S. C. |  | 32°50'N  |  | 79°56'W   |  | 13                 |  | KXAO      |  |            |  |

## STATION LOCATION AND INSTRUMENTATION HISTORY

| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION |      | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL |                | OBS PER DAY |
|--------------------|------------------------------|-----------------|------------------|------|----------|-----------|---------------------|----------------|-------------|
|                    |                              |                 | FROM             | TO   |          |           | STATION (FT)        | TYPE BAROMETER |             |
| 1.                 | Building NS 54               | Navy            | 1973             | 1974 | 32°51'N  | 79°57'W   | 4                   | Aneroid        | 24          |
| 2.                 | Building NS 660, Pier "Y"    | Navy            | 1974             |      | 32°50'N  | 79°56'W   | 13                  | Aneroid        | 24          |

| SURFACE WIND EQUIPMENT INFORMATION |                |                         |                     |                  | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |  |
|------------------------------------|----------------|-------------------------|---------------------|------------------|---|--|
| NUMBER OF LOCATION                 | DATE OF CHANGE | LOCATION                | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND                                     |  |
| 1.                                 | April 75       | SE corner roof Bldg 660 | AN/UMQ-5            | RD 108           | 41'   | 1. Wind recorder operational (Indicator only on GMQ-29-Apr 75) |
| 2.                                 | Dec 75         | SE corner roof Bldg 660 | GMQ-29              | Temp/<br>Dew pt  | 36'   | 2. Remainder GMQ-29 (except pressure) operational Dec 75       |
|                                    |                |                         |                     |                  |   | 3. Barograph (marine) - 18 ft MSL                              |
|                                    |                |                         |                     |                  |   | 4. GMH-6(V) Radar recorder                                     |

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U. S. Navy and U. S. Marine Corps. 3-hourly observations are defined as those record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.). Data are also summarized for the 3-hourly observations to show diurnal variations.

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0" (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment, Asheville, N. C. welcomes your comment and criticisms.

WEATHER CONDITIONS

NWSED, Federal Building  
Asheville, N. C.

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

# WEATHER CONDITIONS

## ATMOSPHERIC PHENOMENA

STATION 13758 CHARLESTON, SOUTH CAROLINA 73-76 YEARS MONTH ALL

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN    | DAILY             |                    | 40.9                      |                                  | 2.2                     |      | 41.9                        | 53.8 | 76.3                    |                 |                        | 81.7                               | 93                      |
| FEB    |                   | 8.0                | 36.3                      | .9                               | 4.4                     | .9   | 38.1                        | 38.9 | 83.2                    | 1.8             |                        | 85.8                               | 113                     |
| MAR    |                   | 10.5               | 45.2                      |                                  |                         |      | 45.2                        | 43.5 | 78.2                    |                 |                        | 79.8                               | 124                     |
| APR    |                   | 6.3                | 24.2                      |                                  |                         |      | 24.2                        | 22.5 | 76.7                    |                 |                        | 77.5                               | 120                     |
| MAY    |                   | 20.2               | 41.9                      |                                  |                         |      | 41.9                        | 37.1 | 87.1                    |                 |                        | 87.9                               | 124                     |
| JUN    |                   | 38.3               | 58.3                      |                                  |                         |      | 58.3                        | 28.3 | 81.7                    |                 |                        | 82.5                               | 120                     |
| JUL    |                   | 39.5               | 51.6                      |                                  |                         |      | 51.6                        | 21.0 | 85.5                    |                 |                        | 85.5                               | 124                     |
| AUG    |                   | 43.5               | 58.9                      |                                  |                         |      | 58.9                        | 33.9 | 87.1                    |                 |                        | 89.5                               | 124                     |
| SEP    |                   | 25.0               | 47.5                      |                                  |                         |      | 47.5                        | 44.2 | 85.8                    |                 |                        | 87.5                               | 120                     |
| OCT    |                   | 4.8                | 18.5                      |                                  |                         |      | 18.5                        | 38.7 | 76.6                    |                 |                        | 79.8                               | 124                     |
| NOV    |                   | .8                 | 25.8                      |                                  |                         |      | 25.8                        | 39.2 | 62.5                    |                 |                        | 70.0                               | 120                     |
| DEC    |                   | 1.6                | 46.8                      |                                  | .8                      |      | 46.8                        | 39.5 | 58.1                    |                 |                        | 67.7                               | 124                     |
| TOTALS |                   | 16.7               | 41.3                      | .1                               | .6                      | .1   | 41.6                        | 36.7 | 78.2                    | .1              |                        | 81.3                               | 1430                    |

## WEATHER CONDITIONS

1978

74-76

CHARLESTON, SOUTH CAROLINA NWSB

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN    | 01                |                    | 5.4                       |                                  | 1.1                     |      | 6.5                         | 24.7 | 17.2                    |                 |                        | 37.6                               | 93                      |
|        | 04                |                    | 8.6                       |                                  |                         |      | 8.6                         | 23.7 | 17.2                    |                 |                        | 38.7                               | 93                      |
|        | 07                |                    | 12.9                      |                                  |                         |      | 12.9                        | 31.2 | 22.6                    |                 |                        | 46.2                               | 93                      |
|        | 10                |                    | 6.5                       |                                  |                         |      | 6.5                         | 24.7 | 44.1                    |                 |                        | 63.4                               | 93                      |
|        | 13                |                    | 3.6                       |                                  |                         |      | 6.6                         | 12.9 | 40.9                    |                 |                        | 49.5                               | 93                      |
|        | 16                |                    | 7.5                       |                                  |                         |      | 7.5                         | 8.6  | 35.5                    |                 |                        | 41.9                               | 93                      |
|        | 19                |                    | 6.5                       |                                  |                         |      | 6.5                         | 16.1 | 31.2                    |                 |                        | 38.7                               | 93                      |
|        | 22                |                    | 5.4                       |                                  | 1.1                     |      | 5.4                         | 14.0 | 25.8                    |                 |                        | 35.5                               | 93                      |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   |                    | 7.7                       |                                  | .3                      |      | 7.8                         | 19.5 | 29.3                    |                 |                        | 43.9                               | 744                     |



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1980

13758 CHARLESTON, SOUTH CAROLINA NWSE 73-76 FEB MONTH

STATION NAME YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG  | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|------|-------------------|--------------|------------------|------------------------------|-------------------|
| FEB    | 01             |                | 6.2                 |                            | .9                |      | 7.1                   | 6.2  | 23.0              |              |                  | 29.2                         | 113               |
|        | 04             |                | 8.0                 |                            | .9                |      | 8.8                   | 13.3 | 16.8              |              |                  | 27.4                         | 113               |
|        | 07             | .9             | 5.3                 |                            | .9                |      | 6.2                   | 26.5 | 38.9              |              |                  | 54.9                         | 113               |
|        | 10             |                | 5.3                 |                            |                   |      | 5.3                   | 14.2 | 54.9              | .9           |                  | 65.5                         | 113               |
|        | 13             |                | 8.8                 |                            | 1.8               |      | 10.6                  | 5.3  | 44.2              |              |                  | 49.6                         | 113               |
|        | 16             |                | 8.8                 | .9                         | .9                |      | 10.6                  | 5.3  | 36.3              |              |                  | 41.6                         | 113               |
|        | 19             | .9             | 4.4                 | .9                         | .9                |      | 6.2                   | 5.3  | 33.6              |              |                  | 38.9                         | 113               |
|        | 22             |                | 7.1                 |                            | 1.8               |      | 8.8                   | 6.2  | 25.7              | .9           |                  | 32.7                         | 113               |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
| TOTALS |                | .2             | 6.7                 | .2                         | 1.0               |      | 8.0                   | 10.3 | 34.2              | .2           |                  | 42.5                         | 904               |

## WEATHER CONDITIONS

13758

CHARLESTON, SOUTH CAROLINA NU5ED

73-76

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAR    | 01                | 1.6                | 11.3                      |                                  |                         |      | 11.3                        | 9.7  | 21.0                    |                 |                        | 29.0                               | 124                     |
|        | 04                | .8                 | 6.5                       |                                  |                         |      | 6.5                         | 21.0 | 24.2                    |                 |                        | 38.7                               | 124                     |
|        | 07                | .8                 | 6.1                       |                                  |                         |      | 6.1                         | 26.6 | 43.5                    |                 |                        | 64.5                               | 124                     |
|        | 10                |                    | 11.3                      |                                  |                         |      | 11.3                        | 10.5 | 51.6                    |                 |                        | 59.7                               | 124                     |
|        | 13                | .8                 | 12.1                      |                                  |                         |      | 12.1                        | 2.4  | 37.9                    |                 |                        | 39.5                               | 124                     |
|        | 16                | 2.4                | 9.7                       |                                  |                         |      | 9.7                         | 3.2  | 33.9                    |                 |                        | 36.3                               | 124                     |
|        | 19                | .8                 | 8.9                       |                                  |                         |      | 8.9                         | 6.5  | 37.1                    |                 |                        | 41.1                               | 124                     |
|        | 22                | .8                 | 8.1                       |                                  |                         |      | 8.1                         | 7.3  | 25.0                    |                 |                        | 30.6                               | 124                     |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | 1.0                | 9.3                       |                                  |                         |      | 9.5                         | 10.9 | 34.3                    |                 |                        | 42.4                               | 992                     |

WEATHER CONDITIONS

13758 CHARLESTON, SOUTH CAROLINA NWSE 73-76 APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS (LST.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG  | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|--------------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|------|-------------------|--------------|------------------|------------------------------|-------------------|
| APR    | 01           |                | 1.7                 |                            |                   |      | 1.7                   | .8   | 17.5              |              |                  | 18.3                         | 120               |
|        | 04           |                | 4.2                 |                            |                   |      | 4.2                   | 4.2  | 15.8              |              |                  | 20.0                         | 120               |
|        | 07           | .8             | 4.2                 |                            |                   |      | 4.2                   | 15.0 | 50.0              |              |                  | 58.3                         | 120               |
|        | 10           |                | 4.2                 |                            |                   |      | 4.2                   | 1.7  | 40.8              |              |                  | 42.5                         | 120               |
|        | 13           | .8             | 5.0                 |                            |                   |      | 5.0                   |      | 21.7              |              |                  | 31.7                         | 120               |
|        | 16           | .8             | 4.2                 |                            |                   |      | 4.2                   | .8   | 30.8              |              | .6               | 32.5                         | 120               |
|        | 19           |                | 3.3                 |                            |                   |      | 3.3                   | 2.5  | 27.5              |              |                  | 30.0                         | 120               |
|        | 22           | .8             | 5.0                 |                            |                   |      | 5.0                   | 1.7  | 21.7              |              |                  | 23.3                         | 120               |
|        |              |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |              |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |              |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |              |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
| TOTALS |              | .8             | 4.0                 |                            |                   |      | 4.0                   | 3.3  | 29.5              |              | .1               | 32.1                         | 960               |



## WEATHER CONDITIONS

13758

CHARLESTON, SOUTH CAROLINA NU5ED

75-76

MAY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAY    | 01                | 1.6                | 4.8                       |                                  |                         |      | 4.8                         | 4.8  | 39.5                    |                 |                        | 41.9                               | 124                     |
|        | 04                | .8                 | 4.0                       |                                  |                         |      | 4.0                         | 13.7 | 42.7                    |                 |                        | 50.0                               | 124                     |
|        | 07                |                    | 3.2                       |                                  |                         |      | 3.2                         | 20.2 | 66.1                    |                 |                        | 76.6                               | 124                     |
|        | 10                |                    | 3.2                       |                                  |                         |      | 3.2                         | .8   | 58.9                    |                 |                        | 58.9                               | 124                     |
|        | 13                | 1.6                | 3.2                       |                                  |                         |      | 3.2                         | .6   | 44.4                    |                 |                        | 44.4                               | 124                     |
|        | 16                | .8                 | 4.0                       |                                  |                         |      | 4.0                         |      | 39.5                    |                 |                        | 39.5                               | 124                     |
|        | 19                | 3.2                | 8.1                       |                                  |                         |      | 8.1                         | .8   | 42.7                    |                 |                        | 43.5                               | 124                     |
|        | 22                | .8                 | 4.0                       |                                  |                         |      | 4.0                         | .8   | 40.3                    |                 |                        | 41.1                               | 124                     |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | 1.1                | 4.3                       |                                  |                         |      | 4.3                         | 5.2  | 46.8                    |                 |                        | 47.5                               | 992                     |

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 08

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19758

CHARLESTON, SOUTH CAROLINA NWSB 73-76

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUN    | 01                | 2.5                | 7.5                       |                                  |                         |      | 7.5                         | 2.5  | 36.7                    |                 |                        | 37.5                               | 120                     |
|        | 04                | 4.2                | 6.7                       |                                  |                         |      | 6.7                         | 9.2  | 35.0                    |                 |                        | 40.8                               | 120                     |
|        | 07                | 1.7                | 4.2                       |                                  |                         |      | 4.2                         | 11.7 | 55.8                    |                 |                        | 61.7                               | 120                     |
|        | 10                | 2.5                | 8.3                       |                                  |                         |      | 8.3                         | .8   | 49.2                    |                 |                        | 50.0                               | 120                     |
|        | 13                | 4.2                | 12.5                      |                                  |                         |      | 12.5                        |      | 40.0                    |                 |                        | 40.0                               | 120                     |
|        | 16                | 7.5                | 12.5                      |                                  |                         |      | 12.5                        |      | 37.5                    |                 |                        | 37.5                               | 120                     |
|        | 19                | 9.2                | 14.2                      |                                  |                         |      | 14.2                        | .8   | 36.7                    |                 |                        | 36.7                               | 120                     |
|        | 22                | 1.7                | 7.5                       |                                  |                         |      | 7.5                         | 3.3  | 36.7                    |                 |                        | 37.5                               | 120                     |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | 4.2                | 9.2                       |                                  |                         |      | 9.2                         | 3.5  | 41.0                    |                 |                        | 42.7                               | 960                     |

## WEATHER CONDITIONS

13753

CHARLESTON, SOUTH CAROLINA NWSE

73-76

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUL    | 01                | 2.4                | 4.0                       |                                  |                         |      | 4.0                         | .8   | 42.7                    |                 |                        | 42.7                               | 124                     |
|        | 04                | 1.6                | 2.4                       |                                  |                         |      | 2.4                         | 8.1  | 44.4                    |                 |                        | 45.0                               | 124                     |
|        | 07                | 1.6                | 3.2                       |                                  |                         |      | 3.2                         | 16.9 | 74.2                    |                 |                        | 75.0                               | 124                     |
|        | 10                | 3.2                | 4.8                       |                                  |                         |      | 4.8                         | 2.4  | 64.5                    |                 |                        | 64.5                               | 124                     |
|        | 13                | 6.5                | 6.5                       |                                  |                         |      | 6.5                         |      | 54.8                    |                 |                        | 54.8                               | 124                     |
|        | 15                | 9.7                | 8.1                       |                                  |                         |      | 8.1                         |      | 55.6                    |                 |                        | 55.6                               | 124                     |
|        | 19                | 4.0                | 7.3                       |                                  |                         |      | 7.3                         |      | 53.2                    |                 |                        | 53.2                               | 124                     |
|        | 22                | 3.2                | 4.0                       |                                  |                         |      | 4.0                         |      | 46.8                    |                 |                        | 46.8                               | 124                     |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | 4.0                | 5.0                       |                                  |                         |      | 5.0                         | 3.5  | 54.5                    |                 |                        | 54.8                               | 992                     |

# WEATHER CONDITIONS

13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

AUG

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG  | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|------|-------------------|--------------|------------------|------------------------------|-------------------|
| AUG    | 01             | 1.6            | 4.0                 |                            |                   |      | 4.0                   | 4.8  | 44.4              |              |                  | 46.0                         | 124               |
|        | 04             | 4.0            | 4.8                 |                            |                   |      | 4.8                   | 10.5 | 46.0              |              |                  | 51.5                         | 124               |
|        | 07             | 3.2            | 6.5                 |                            |                   |      | 6.5                   | 24.2 | 68.5              |              |                  | 78.2                         | 124               |
|        | 10             | 5.6            | 6.5                 |                            |                   |      | 6.5                   | 4.0  | 62.1              |              |                  | 66.1                         | 124               |
|        | 13             | 5.6            | 10.5                |                            |                   |      | 10.5                  | 1.6  | 49.2              |              |                  | 50.8                         | 124               |
|        | 16             | 16.9           | 13.7                |                            |                   |      | 13.7                  | 3.2  | 41.1              |              |                  | 44.4                         | 124               |
|        | 19             | 10.5           | 11.3                |                            |                   |      | 11.3                  | 1.6  | 43.5              |              |                  | 45.2                         | 124               |
|        | 22             | 3.2            | 9.7                 |                            |                   |      | 9.7                   | 1.6  | 45.2              |              |                  | 46.0                         | 124               |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
| TOTALS |                | 6.3            | 8.4                 |                            |                   |      | 8.4                   | 6.4  | 50.0              |              |                  | 53.5                         | 992               |



## WEATHER CONDITIONS

SEP

MONTH

73-76

YEARS

CHARLESTON, SOUTH CAROLINA NWSE

STATION NAME

13750

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| SEP    | 01                | 2.5                | 7.5                       |                                  |                         |      | 7.5                         | 5.8  | 46.7                    |                 |                        | 47.5                               | 120                     |
|        | 04                | 3.3                | 7.5                       |                                  |                         |      | 7.5                         | 15.0 | 49.2                    |                 |                        | 54.2                               | 120                     |
|        | 07                | .8                 | 5.8                       |                                  |                         |      | 5.8                         | 37.3 | 56.7                    |                 |                        | 75.0                               | 120                     |
|        | 10                | .8                 | 9.2                       |                                  |                         |      | 9.2                         | 8.3  | 61.7                    |                 |                        | 65.8                               | 120                     |
|        | 13                | 4.2                | 10.0                      |                                  |                         |      | 10.0                        | 1.7  | 53.3                    |                 |                        | 55.0                               | 120                     |
|        | 16                | 4.2                | 5.3                       |                                  |                         |      | 8.3                         | 1.7  | 45.8                    |                 |                        | 47.5                               | 120                     |
|        | 19                | .8                 | 3.3                       |                                  |                         |      | 3.3                         | 1.7  | 46.7                    |                 |                        | 47.5                               | 120                     |
|        | 22                | 2.5                | 5.0                       |                                  |                         |      | 5.0                         | 1.7  | 45.8                    |                 |                        | 46.7                               | 120                     |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | 2.4                | 7.1                       |                                  |                         |      | 7.1                         | 9.2  | 50.7                    |                 |                        | 54.9                               | 960                     |

## WEATHER CONDITIONS

13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| OCT    | 01                |                    | 1.6                       |                                  |                         |      | 1.6                         | 2.4  | 33.1                    |                 |                        | 33.1                               | 124                     |
|        | 04                |                    | 2.4                       |                                  |                         |      | 2.4                         | 16.1 | 32.3                    |                 |                        | 41.1                               | 124                     |
|        | 07                |                    | 1.6                       |                                  |                         |      | 1.6                         | 33.1 | 56.5                    |                 |                        | 64.5                               | 124                     |
|        | 10                |                    | .8                        |                                  |                         |      | .8                          | 6.5  | 52.4                    |                 |                        | 53.2                               | 124                     |
|        | 13                | .8                 | 2.4                       |                                  |                         |      | 2.4                         | .8   | 29.0                    |                 |                        | 29.8                               | 124                     |
|        | 16                |                    | 1.6                       |                                  |                         |      | 1.6                         |      | 27.4                    |                 |                        | 27.4                               | 124                     |
|        | 19                | 1.6                | 2.4                       |                                  |                         |      | 2.4                         | .8   | 30.6                    |                 |                        | 31.5                               | 124                     |
|        | 22                | .8                 | 4.8                       |                                  |                         |      | 4.8                         | .8   | 32.3                    |                 |                        | 33.1                               | 124                     |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                   | .4                 | 2.2                       |                                  |                         |      | 2.2                         | 7.6  | 36.7                    |                 |                        | 39.2                               | 992                     |

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 198

13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(LST.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-----------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| NOV    | 01              |                    | 1.7                       |                                  |                         |      | 1.7                         | 12.3 | 12.5                    |                 |                        | 24.2                               | 120                     |
|        | 04              |                    | 2.3                       |                                  |                         |      | 2.5                         | 20.8 | 13.3                    |                 |                        | 30.0                               | 120                     |
|        | 07              |                    | 5.8                       |                                  |                         |      | 5.8                         | 29.2 | 25.0                    |                 |                        | 50.0                               | 120                     |
|        | 10              |                    | 5.8                       |                                  |                         |      | 5.8                         | 14.2 | 40.8                    |                 |                        | 51.7                               | 120                     |
|        | 13              |                    | 6.7                       |                                  |                         |      | 6.7                         | 6.7  | 27.5                    |                 |                        | 34.2                               | 120                     |
|        | 16              |                    | 6.7                       |                                  |                         |      | 6.7                         | 6.7  | 24.2                    |                 |                        | 29.2                               | 120                     |
|        | 19              |                    | 5.0                       |                                  |                         |      | 5.0                         | 9.2  | 21.7                    |                 |                        | 30.0                               | 120                     |
|        | 22              |                    | 4.2                       |                                  |                         |      | 4.2                         | 9.2  | 14.2                    |                 |                        | 22.5                               | 120                     |
|        |                 |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                 |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                 |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                 |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
|        |                 |                    |                           |                                  |                         |      |                             |      |                         |                 |                        |                                    |                         |
| TOTALS |                 |                    | 4.8                       |                                  |                         |      | 4.5                         | 13.6 | 22.4                    |                 |                        | 34.0                               | 960                     |



# WEATHER CONDITIONS

13758 CHARLESTON, SOUTH CAROLINA NMSE 73-76 DEC MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN &/OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG  | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|----------------|----------------|---------------------|----------------------------|-------------------|------|-----------------------|------|-------------------|--------------|------------------|------------------------------|-------------------|
| DEC    | 01             |                | 10.5                |                            |                   |      | 10.5                  | 13.7 | 13.7              |              |                  | 24.2                         | 124               |
|        | 04             |                | 11.3                |                            |                   |      | 11.3                  | 16.1 | 15.3              |              |                  | 27.4                         | 124               |
|        | 07             |                | 10.5                |                            |                   |      | 10.5                  | 18.5 | 21.0              |              |                  | 35.5                         | 124               |
|        | 10             |                | 9.7                 |                            |                   |      | 9.7                   | 15.3 | 37.9              |              |                  | 48.4                         | 124               |
|        | 13             |                | 12.9                |                            |                   |      | 12.9                  | 10.5 | 30.6              |              |                  | 36.3                         | 124               |
|        | 16             |                | 10.5                |                            |                   |      | 10.5                  | 8.1  | 22.6              |              |                  | 29.0                         | 124               |
|        | 19             |                | 8.9                 |                            |                   |      | 8.9                   | 12.9 | 16.9              |              |                  | 27.4                         | 124               |
|        | 22             |                | 12.9                |                            |                   |      | 12.9                  | 17.7 | 15.3              |              |                  | 29.0                         | 124               |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
|        |                |                |                     |                            |                   |      |                       |      |                   |              |                  |                              |                   |
| TOTALS |                |                | 10.9                |                            |                   |      | 10.9                  | 14.1 | 21.7              |              |                  | 32.2                         | 992               |

## WEATHER CONDITIONS

13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN    | ALL               |                    | 7.7                       |                                  | .3                      |      | 7.8                         | 19.5 | 29.3                    |                 |                        | 43.9                               | 744                     |
| FEB    |                   | .2                 | 6.7                       | .2                               | 1.0                     |      | 8.0                         | 10.3 | 34.2                    | .2              |                        | 42.5                               | 904                     |
| MAR    |                   | 1.0                | 9.5                       |                                  |                         |      | 9.5                         | 10.9 | 34.3                    |                 |                        | 42.4                               | 992                     |
| APR    |                   | .4                 | 4.0                       |                                  |                         |      | 4.0                         | 3.3  | 29.5                    |                 | .1                     | 32.1                               | 960                     |
| MAY    |                   | 1.1                | 4.3                       |                                  |                         |      | 4.3                         | 5.2  | 46.8                    |                 |                        | 49.5                               | 992                     |
| JUN    |                   | 4.2                | 9.2                       |                                  |                         |      | 9.2                         | 3.5  | 41.0                    |                 |                        | 42.7                               | 960                     |
| JUL    |                   | 4.0                | 5.0                       |                                  |                         |      | 5.0                         | 3.5  | 54.5                    |                 |                        | 54.8                               | 992                     |
| AUG    |                   | 6.3                | 8.4                       |                                  |                         |      | 8.4                         | 6.4  | 50.0                    |                 |                        | 53.5                               | 992                     |
| SEP    |                   | 2.4                | 7.1                       |                                  |                         |      | 7.1                         | 9.2  | 50.7                    |                 |                        | 54.9                               | 960                     |
| OCT    |                   | .4                 | 2.2                       |                                  |                         |      | 2.2                         | 7.6  | 36.7                    |                 |                        | 39.2                               | 992                     |
| NOV    |                   |                    | 4.8                       |                                  |                         |      | 4.8                         | 13.6 | 22.4                    |                 |                        | 34.0                               | 960                     |
| DEC    |                   |                    | 10.9                      |                                  |                         |      | 10.9                        | 14.1 | 21.7                    |                 |                        | 32.2                               | 992                     |
| TOTALS |                   | 1.7                | 6.6                       | .0                               | .1                      |      | 6.8                         | 8.9  | 37.6                    | .0              | .0                     | 43.5                               | 11440                   |

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

13758 STATION CHARLESTON, SOUTH CAROLINA NAWSO FEBRUARY 75-DECEMBER 76 JANUARY ALL  
STATION NAME YEARS MONTH HOURS (L.S.T.)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>" SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>" GRAINS<br>" PELLETS<br>" SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG  | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 | 0.0  | 1.3             | 3.0     |   |                                       | 1.3  |                       |         | 16.3 | 5.0                      | 23.8          |                 |                                | 52.5          |
| NNE               | 0.0  | 2.6             |         |   |                                       |  |                       |         | 9.8  | 4.9                      | 9.8           |                 |                                | 73.2          |
| NE                | 3.3  |                 |         |   |                                       |  |                       |         | 3.3  | 13.3                     | 10.0          |                 |                                | 80.0          |
| ENE               | 4.2  | 4.2             | 4.2     |   |                                       |  |                       |         | 4.2  | 8.3                      | 12.5          |                 |                                | 70.8          |
| E                 | 4.3  |                 | 8.7     |   |                                       |  |                       |         | 17.4 | 4.3                      | 8.7           |                 |                                | 73.9          |
| ESE               |      |                 |         |   |                                       |  |                       |         | 50.0 |                          | 66.7          |                 |                                |               |
| SE                |      |                 |         |   |                                       |  |                       |         |      |                          | 27.3          |                 |                                | 72.7          |
| SSE               |      |                 |         |   |                                       |  |                       |         | 16.0 | 8.0                      | 36.0          |                 |                                | 56.0          |
| S                 | 3.6  | 5.5             | 1.6     |   |                                       |  |                       |         | 12.7 | 1.8                      | 43.6          |                 |                                | 41.8          |
| SSW               | 3.0  | 3.0             |         |   |                                       |  |                       |         | 9.1  | 7.6                      | 31.8          |                 |                                | 53.0          |
| SW                | 5.1  | 2.6             | 2.6     |   |                                       |  |                       |         | 20.5 | 5.1                      | 30.8          |                 |                                | 51.3          |
| WSW               | 7.7  | 1.9             |         |   |                                       |  |                       |         |      | 9.6                      | 36.5          |                 |                                | 53.8          |
| W                 | 4.2  |                 |         |   |                                       |  |                       |         | 4.2  | 1.4                      | 42.3          |                 |                                | 54.9          |
| WNW               | 5.5  |                 |         |   |                                       |  |                       |         | 5.5  | 5.5                      | 36.4          |                 |                                | 58.2          |
| NW                |      |                 |         |   |                                       |  |                       |         | 23.1 | 3.8                      | 57.7          |                 |                                | 30.8          |
| NNW               | 9.4  |                 |         |   |                                       | 3.1  |                       |         | 12.5 | 6.3                      | 31.3          |                 |                                | 53.1          |
| VARIABLE          |      |                 |         |   |                                       |  |                       |         |      |                          |               |                 |                                |               |
| CALM              | 1.9  | 0.9             | 2.8     |   |                                       |  |                       |         | 16.6 | 0.3                      | 18.5          |                 |                                | 44.5          |
| TOTAL             | 35   | 11              | 11      |   |                                       | 2  |                       |         | 100  | 45                       | 218           |                 |                                | 401           |
| % TOTAL           | 4.7  | 1.5             | 1.5     |   |                                       | .3   |                       |         | 13.4 | 6.0                      | 29.3          |                 |                                | 53.9          |

TOTAL NUMBER OF OBSERVATIONS

744

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

12758 CHARLESTON, SOUTH CAROLINA NASD FEBRUARY 73-DECEMBER 76 FEBRUARY ALL  
STATION NAME YEARS MONTH HOURS (L.S.T.)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>GRAINS<br>PELLETS<br>SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG  | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 | 10.1 | 1.1             | 1.1     |   | 2.2                                 | 5.6                                  |                       |         | 9.0  | 4.5                      | 22.5          | 2.2             |                                | 57.3          |
| NNE               | 6.1  |                 | 2.7     |   | 2.7                                 | 2.7                                  |                       |         | 10.8 | 5.4                      | 35.1          |                 |                                | 48.6          |
| NE                | 13.3 |                 |         | 3.3                                     | 3.3                                 | 3.3                                  |                       |         | 16.7 |                          | 33.3          |                 |                                | 43.3          |
| ENE               | 5.1  | 5.1             |         | 2.6                                     | 2.6                                 |                                      |                       |         | 10.3 | 7.7                      | 35.9          |                 |                                | 43.6          |
| E                 | 7.9  | 2.6             |         |   |                                     |                                      |                       |         | 15.8 | 5.3                      | 26.3          |                 |                                | 22.6          |
| ESE               | 5.9  |                 |         |   |                                     |                                      |                       |         |      |                          | 23.5          |                 |                                | 70.6          |
| SE                |      |                 |         |   |                                     |                                      |                       |         |      | 6.3                      | 25.0          |                 |                                | 68.8          |
| SSE               |      |                 |         |   |                                     |                                      |                       |         | 3.8  | 3.8                      | 38.5          |                 |                                | 57.7          |
| S                 | 6.8  | 3.5             |         |   |                                     |                                      |                       |         | 1.8  | 7.0                      | 45.6          |                 |                                | 43.9          |
| SSW               | 3.1  | 7.8             |         |   |                                     |                                      |                       |         |      | 1.6                      | 53.1          |                 |                                | 43.8          |
| SW                | 2.3  | 2.3             |         |   |                                     |                                      |                       | 1.3     |      | 7.5                      | 40.0          |                 |                                | 55.0          |
| WSW               |      | 6.9             |         |   |                                     |                                      |                       |         | 4.6  | 4.6                      | 21.8          |                 |                                | 66.7          |
| W                 | 2.0  | 1.0             |         |   |                                     |                                      |                       |         |      |                          | 30.4          |                 |                                | 68.6          |
| WNW               |      | 1.8             |         |   |                                     |                                      |                       | 1.8     | 3.6  | 5.5                      | 36.4          |                 |                                | 56.4          |
| NW                |      | 3.2             |         |   |                                     |                                      |                       |         | 3.2  | 3.2                      | 45.2          |                 |                                | 48.4          |
| NNW               | 6.1  |                 |         |   |                                     |                                      |                       |         | 9.1  |                          | 30.3          |                 |                                | 60.6          |
| VARIABLE          |      |                 |         |   |                                     |                                      |                       |         |      |                          |               |                 |                                |               |
| CALM              | 1.3  |                 |         |   |                                     |                                      |                       |         | 5.1  | 13.3                     | 10.1          |                 |                                | 54.6          |
| TOTAL             | 37   | 22              | 2       | 2                                       | 3                                   | 7                                    |                       | 2       | 45   | 48                       | 302           | 2               |                                | 504           |
| % TOTAL           | 4.1  | 2.4             | .2      | .2                                      | .6                                  | .8                                   |                       | .2      | 5.0  | 5.3                      | 33.4          | .2              |                                | 55.8          |

TOTAL NUMBER OF OBSERVATIONS

904



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

19758 STATION NAME CHARLESTON, SOUTH CAROLINA NWSE0 FEBRUARY 73-DECEMBER 76 MONTH MARCH ALL  
STATION NAME CHARLESTON, SOUTH CAROLINA NWSE0 FEBRUARY 73-DECEMBER 76 MONTH MARCH ALL  
STATION NAME CHARLESTON, SOUTH CAROLINA NWSE0 FEBRUARY 73-DECEMBER 76 MONTH MARCH ALL

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>" SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>" GRAINS<br>" PELLETS<br>" SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG  | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 | 5.2  | 5.2             | 3.4     |   |                                       |  |                       | 1.7     | 6.9  | 3.4                      | 29.3          |                 |                                | 60.3          |
| NNE               | 10.2 | 12.2            | 2.0     |   |                                       |  |                       | 4.1     | 4.1  | 2.0                      | 36.7          |                 |                                | 35.1          |
| NE                | 12.8 | 5.1             | 2.6     |   |                                       |  |                       |         | 5.1  | 10.3                     | 53.8          |                 |                                | 30.8          |
| ENE               | 10.5 | 10.5            | 10.5    |   |                                       |  |                       |         | 19.8 | 7.9                      | 28.9          |                 |                                | 47.4          |
| E                 | 3.8  |                 | 3.8     |   |                                       |  |                       |         | 9.4  | 3.8                      | 18.9          |                 |                                | 66.0          |
| ESE               | 2.6  |                 | 2.6     |   |                                       |  |                       |         | 7.7  | 5.1                      | 25.6          |                 |                                | 64.1          |
| SE                | 5.0  | 2.5             | 5.0     |   |                                       |  |                       | 2.5     | 7.5  | 5.0                      | 37.5          |                 |                                | 47.5          |
| SSE               | 6.3  | 10.4            | 2.1     |   |                                       |  |                       |         | 4.2  |                          | 41.7          |                 |                                | 50.0          |
| S                 | 2.7  | 2.7             |         |   |                                       |  |                       | 1.4     | 5.5  | 4.1                      | 28.8          |                 |                                | 63.0          |
| SSW               | 2.6  | 3.8             |         |   |                                       |  |                       | 1.3     | 2.6  | 2.6                      | 32.1          |                 |                                | 64.1          |
| SW                |      | 2.6             |         |   |                                       |  |                       |         |      | 2.6                      | 43.4          |                 |                                | 53.9          |
| WSW               | 1.1  | 6.4             |         |   |                                       |  |                       |         | 1.1  | 5.3                      | 47.9          |                 |                                | 46.8          |
| W                 | 1.8  | 3.4             |         |   |                                       |  |                       | 1.7     | 2.5  | 4.2                      | 32.2          |                 |                                | 61.9          |
| WNW               |      | 3.4             |         |   |                                       |  |                       |         | 1.7  | 3.4                      | 20.7          |                 |                                | 74.1          |
| NW                |      |                 | 3.7     |   |                                       |  |                       |         | 7.4  |                          | 18.5          |                 |                                | 74.1          |
| NNW               | 10.5 |                 |         |   |                                       |  |                       |         |      |                          | 36.8          |                 |                                | 63.2          |
| VARIABLE          |      |                 |         |   |                                       |  |                       |         |      |                          |               |                 |                                |               |
| CALM              | 5.4  | 6.7             |         |   |                                       |  |                       | 2.4     | 18.8 | 20.0                     | 36.5          |                 |                                | 32.9          |
| TOTAL             | 35   | 44              | 16      |   |                                       |  |                       | 10      | 56   | 52                       | 339           |                 |                                | 552           |
| % TOTAL           | 3.5  | 4.4             | 1.6     |   |                                       |  |                       | 1.0     | 5.6  | 5.2                      | 34.2          |                 |                                | 55.6          |

TOTAL NUMBER OF OBSERVATIONS

992

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

19750 CHARLESTON, SOUTH CAROLINA MNSD FEBRUARY 73-DECEMBER 76 APRIL ALL  
STATION NAME YEARS MONTH HOURS (L.S.T.)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>GRAINS<br>PELLETS<br>SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 |      |                 |         |   |                                     |                                      |                       |         | 5.9 |                          | 23.5          |                 |                                | 70.6          |
| NNE               | 3.0  | 3.0             |         |   |                                     |                                      |                       |         | 3.0 | 3.0                      | 30.3          |                 |                                | 60.6          |
| NE                | 3.2  |                 |         |   |                                     |                                      |                       |         | 3.2 | 3.2                      | 35.3          |                 |                                | 61.3          |
| ENE               | 17.4 |                 |         |   |                                     |                                      |                       |         | 4.3 |                          | 56.5          |                 |                                | 39.1          |
| E                 | 5.8  | 1.9             |         |   |                                     |                                      |                       |         | 3.8 |                          | 48.1          |                 |                                | 48.1          |
| ESE               | 5.9  |                 |         |   |                                     |                                      |                       |         | 8.8 |                          | 20.6          |                 |                                | 70.6          |
| SE                | 2.4  |                 |         |   |                                     |                                      |                       | 2.4     | 2.4 |                          | 21.4          |                 |                                | 73.8          |
| SSE               | 4.4  | 1.5             |         |   |                                     |                                      |                       |         |     |                          | 22.1          |                 |                                | 73.5          |
| S                 | 1.4  | 1.4             |         |   |                                     |                                      |                       | 1.2     |     | 1.2                      | 39.0          |                 |                                | 71.4          |
| SSW               | 2.4  | 3.7             |         |   |                                     |                                      |                       |         | 1.5 |                          | 37.9          |                 |                                | 58.5          |
| SW                | 1.5  | 6.1             |         |   |                                     |                                      |                       | 2.0     |     | 1.0                      | 43.9          |                 |                                | 55.1          |
| WSW               |      | 3.1             |         |   |                                     |                                      |                       |         |     | .8                       | 22.9          |                 |                                | 75.4          |
| W                 | .8   | .8              |         |   |                                     |                                      |                       |         |     | 2.1                      | 12.5          |                 |                                | 83.0          |
| WNW               |      | 2.1             | 2.1     |   |                                     |                                      |                       |         | 4.5 |                          | 27.3          |                 |                                | 68.2          |
| NW                |      |                 |         |   |                                     |                                      |                       |         | 3.7 |                          | 14.8          |                 |                                | 85.2          |
| NNW               |      |                 |         |   |                                     |                                      |                       |         |     |                          |               |                 |                                |               |
| VARIABLE          |      |                 |         |   |                                     |                                      |                       |         | 4.1 | 4.1                      | 30.3          |                 |                                | 51.9          |
| CALM              |      |                 |         |   |                                     |                                      |                       | 4       | 1.8 | 1.8                      | 203           |                 | 1                              | 640           |
| TOTAL             | 21   | 16              | 1       |   |                                     |                                      |                       | .4      | 1.9 | 1.5                      | 29.5          |                 | .1                             | 66.7          |
| % TOTAL           | 2.3  | 1.7             | .1      |   |                                     |                                      |                       |         |     |                          |               |                 |                                |               |

TOTAL NUMBER OF OBSERVATIONS 960

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

1978 STATION NAME CHARLESTON, SOUTH CAROLINA NMSE FEBRUARY 73-DECEMBER 76 MONTH MAY ALL HOURS (L.S.T.)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>GRAINS<br>PELLETS<br>SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG  | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 |      |                 | 2.1     |   |                                     |                                      |                       |         | 2.1  | 4.2                      | 41.7          |                 |                                | 58.3          |
| NNE               | 3.1  |                 |         |   |                                     |                                      |                       |         | 5.1  | 7.7                      | 46.2          |                 |                                | 43.6          |
| NE                | 8.0  | 12.0            |         |   |                                     |                                      |                       | 4.0     | 16.0 | 4.0                      | 48.0          |                 |                                | 36.0          |
| ENE               | 5.3  |                 |         |   |                                     |                                      |                       |         |      |                          | 57.9          |                 |                                | 42.1          |
| E                 | 3.3  | 3.3             |         |   |                                     |                                      |                       | 1.7     | 1.7  |                          | 60.0          |                 |                                | 36.7          |
| ESE               |      | 3.4             |         |   |                                     |                                      |                       |         |      | 3.4                      | 44.8          |                 |                                | 48.3          |
| SE                |      | 2.5             |         |   |                                     |                                      |                       |         |      |                          | 62.5          |                 |                                | 35.0          |
| SSE               |      | 9.2             |         |   |                                     |                                      |                       | 3.4     | 1.1  | 3.4                      | 44.8          |                 |                                | 50.6          |
| S                 |      | 4.3             |         |   |                                     |                                      |                       | 3.8     | 1.5  |                          | 44.4          |                 |                                | 52.6          |
| SSW               |      | 3.1             |         |   |                                     |                                      |                       |         | 1.0  | 1.0                      | 46.9          |                 |                                | 51.0          |
| SW                |      | 2.4             |         |   |                                     |                                      |                       |         | 1.2  | 2.4                      | 45.9          |                 |                                | 52.9          |
| WSW               |      |                 |         |   |                                     |                                      |                       |         | 1.3  | 1.3                      | 60.0          |                 |                                | 40.0          |
| W                 |      |                 |         |   |                                     |                                      |                       |         | 1.1  | 4.4                      | 41.8          |                 |                                | 56.0          |
| WNW               |      | 9.8             |         |   |                                     |                                      |                       | 5.9     |      |                          | 29.4          |                 |                                | 64.7          |
| NW                |      | 6.7             |         |   |                                     |                                      |                       | 8.7     |      | 8.7                      | 43.5          |                 |                                | 43.5          |
| NNW               |      | 9.1             |         |   |                                     |                                      |                       | 3.0     | 18.2 | 6.1                      | 24.2          |                 |                                | 54.5          |
| VARIABLE          |      |                 |         |   |                                     |                                      |                       |         |      |                          |               |                 |                                |               |
| CALM              |      |                 |         |   |                                     |                                      |                       |         |      |                          |               |                 |                                |               |
| TOTAL             | 7    | 35              | 1       |   |                                     |                                      |                       | 11      | 21   | 31                       | 464           |                 |                                | 483           |
| % TOTAL           | 7    | 35              | .1      |   |                                     |                                      |                       | 1.1     | 2.1  | 3.1                      | 46.3          |                 |                                | 48.9          |

TOTAL NUMBER OF OBSERVATIONS

992



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

1978

CHARLESTON, SOUTH CAROLINA NWSO

FEBRUARY 76

JUNE

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>" SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>" GRAINS<br>" PELLETS<br>" SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG  | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 | 5.0  | 11.3            |         |   |                                       |  |                       | 1.3     | 6.3  | 1.2                      | 50.0          |                 |                                | 40.0          |
| NNE               | 1.8  | 5.6             | 1.9     |   |                                       |  |                       | 3.7     | 3.7  | 2.7                      | 27.8          |                 |                                | 63.0          |
| NE                |      | 6.8             |         |   |                                       |  |                       | 4.8     | 2.4  | 2.4                      | 33.7          |                 |                                | 57.1          |
| ENE               |      | 4.5             |         |   |                                       |  |                       |         | 2.3  | 4.5                      | 40.9          |                 |                                | 54.5          |
| E                 |      | 16.9            |         |   |                                       |  |                       | 8.1     | 2.7  | 2.7                      | 32.4          |                 |                                | 56.8          |
| ESE               |      | 14.7            |         |   |                                       |  |                       | 8.8     |      |                          | 38.2          |                 |                                | 50.0          |
| SE                |      | 6.9             |         |   |                                       |  |                       | 13.8    |      |                          | 37.9          |                 |                                | 48.3          |
| SSE               |      | 8.4             |         |   |                                       |  |                       | 2.1     | 1.1  |                          | 26.3          |                 |                                | 66.3          |
| S                 | 8.0  | 9.3             |         |   |                                       |  |                       | 5.9     |      |                          | 31.4          |                 |                                | 60.2          |
| SSW               |      | 7.8             | 1.6     |   |                                       |  |                       | 4.7     | 1.6  |                          | 50.0          |                 |                                | 45.3          |
| SW                | 2.3  | 9.3             |         |   |                                       |  |                       | 7.0     |      | 2.3                      | 39.5          |                 |                                | 53.5          |
| WSW               |      | 4.7             |         |   |                                       |  |                       | 3.1     |      |                          | 50.0          |                 |                                | 48.4          |
| W                 |      | 3.0             |         |   |                                       |  |                       | 1.5     |      | 3.0                      | 50.0          |                 |                                | 45.5          |
| WNW               | 2.9  | 2.9             |         |   |                                       |  |                       |         |      |                          | 52.9          |                 |                                | 44.1          |
| NW                | 4.2  | 8.3             |         |   |                                       |  |                       | 12.5    | 4.2  | 4.2                      | 54.2          |                 |                                | 29.2          |
| NNW               |      | 3.7             |         |   |                                       |  |                       | 3.7     | 11.1 |                          | 33.3          |                 |                                | 55.6          |
| VARIABLE          |      |                 |         |   |                                       |  |                       |         |      |                          |               |                 |                                |               |
| CALM              |      |                 |         |   |                                       |  |                       |         |      |                          |               |                 |                                |               |
| TOTAL             | 9    | 77              | 2       |   |                                       |  |                       | 60      | 18   | 16                       | 391           |                 |                                | 497           |
| % TOTAL           | 9.9  | 80.0            | 2.2     |   |                                       |  |                       | 4.2     | 1.9  | 1.7                      | 40.7          |                 |                                | 51.8          |

TOTAL NUMBER OF OBSERVATIONS

960

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

13758 STATION NAME CHARLESTON, SOUTH CAROLINA HWSO FEBRUARY 73-DECEMBER 76 MONTH JULY ALL HOURS (L.S.T.)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>" SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>" GRAINS<br>" PELLETS<br>" SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 |      |                 |         |   |                                       |  |                       | 2.6     |     | 5.3                      | 50.0          |                 |                                | 47.4          |
| NNE               | 2.2  | 4.3             |         |   |                                       |  |                       | 3.7     | 2.2 | 4.3                      | 43.5          |                 |                                | 47.8          |
| NE                |      | 2.6             |         |   |                                       |  |                       | 5.1     |     | 5.1                      | 61.5          |                 |                                | 35.9          |
| ENE               |      | 8.3             |         |   |                                       |  |                       | 8.3     |     | 2.8                      | 44.4          |                 |                                | 52.8          |
| E                 |      | 2.8             |         |   |                                       |  |                       | 2.8     |     | 2.8                      | 52.9          |                 |                                | 44.4          |
| ESE               |      | 2.9             |         |   |                                       |  |                       | 5.7     | 2.9 |                          | 57.1          |                 |                                | 42.9          |
| SE                |      | 7.7             |         |   |                                       |  |                       | 10.3    |     |                          | 53.8          |                 |                                | 43.6          |
| SSE               |      | 1.9             |         |   |                                       |  |                       |         |     |                          | 55.6          |                 |                                | 44.4          |
| S                 |      | 9.4             |         |   |                                       |  |                       | 5.1     |     | 2.6                      | 49.6          |                 |                                | 44.4          |
| SSW               |      | 3.3             |         |   |                                       |  |                       | 1.7     |     |                          | 57.4          |                 |                                | 41.7          |
| SW                |      | 5.8             |         |   |                                       |  |                       | 1.9     |     |                          | 52.4          |                 |                                | 46.6          |
| WSW               |      | 2.3             |         |   |                                       |  |                       | 2.3     |     | 1.2                      | 65.1          |                 |                                | 33.7          |
| W                 |      | 6.7             |         |   |                                       |  |                       | 4.4     | 1.1 | 5.6                      | 61.1          |                 |                                | 34.4          |
| WNW               |      | 3.2             |         |   |                                       |  |                       | 3.2     |     | 6.5                      | 58.1          |                 |                                | 38.7          |
| NW                |      | 12.5            |         |   |                                       |  |                       | 6.3     |     |                          | 57.5          |                 |                                | 50.0          |
| NNW               |      | 5.6             |         |   |                                       |  |                       | 5.6     |     | 16.7                     | 55.6          |                 |                                | 38.9          |
| VARIABLE          |      |                 |         |   |                                       |  |                       |         |     |                          |               |                 |                                |               |
| CALM              |      |                 |         |   |                                       |  |                       |         |     |                          |               |                 |                                |               |
| TOTAL             | 1    | 49              |         |   |                                       |  |                       | 40      | 3   | 32                       | 541           |                 |                                | 419           |
| % TOTAL           | 1    | 49              |         |   |                                       |  |                       | 40      | 3   | 32                       | 54.5          |                 |                                | 42.2          |

TOTAL NUMBER OF OBSERVATIONS

992

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

18738 CHARLESTON, SOUTH CAROLINA NWSO FEBRUARY 73-DECEMBER 76 AUGUST ALL

STATION NAME MONTH YEARS HOURS (LST.)

| WIND DIRECTION | RAIN | RAIN SHOWERS | DRIZZLE | FREEZING RAIN FREEZING DRIZZLE | SLEET SHOWERS ICE CRYSTALS | SNOW GRAINS PELLETS SHOWERS | HAIL SMALL HAIL | THUNDER | FOG  | ICE FOG GROUND FOG | SMOKE HAZE | BLOWING SNOW | BLOWING SAND AND DUST | NO WEATHER |
|----------------|------|--------------|---------|--------------------------------|----------------------------|-----------------------------|-----------------|---------|------|--------------------|------------|--------------|-----------------------|------------|
| N              | 1.0  | 8.2          |         |                                |                            |                             |                 | 7.2     | 5.2  | 8.2                | 62.9       |              |                       | 29.9       |
| NNE            | 5.5  | 1.4          |         |                                |                            |                             |                 | 4.1     | 10.8 | 5.4                | 48.6       |              |                       | 35.1       |
| NE             |      | 5.4          |         |                                |                            |                             |                 | 3.6     | 1.8  | 3.6                | 51.8       |              |                       | 48.2       |
| ENE            |      | 6.3          |         |                                |                            |                             |                 | 3.1     | 6.3  |                    | 31.3       |              |                       | 62.5       |
| E              |      | 6.8          |         |                                |                            |                             |                 | 6.8     | 2.3  |                    | 50.0       |              |                       | 47.7       |
| ESE            |      | 9.3          |         |                                |                            |                             |                 | 4.2     |      |                    | 41.7       |              |                       | 54.2       |
| SE             |      | 11.4         |         |                                |                            |                             |                 | 14.3    |      |                    | 37.1       |              |                       | 60.0       |
| SSE            |      |              |         |                                |                            |                             |                 | 5.7     |      |                    | 34.0       |              |                       | 62.3       |
| S              |      | 12.0         |         |                                |                            |                             |                 | 9.0     |      |                    | 43.0       |              |                       | 49.0       |
| SSW            | 3.4  | 5.6          |         |                                |                            |                             |                 | 6.7     | 3.4  |                    | 41.6       |              |                       | 51.7       |
| SW             |      | 14.1         | 1.2     |                                |                            |                             |                 | 12.0    | 2.4  |                    | 55.3       |              |                       | 38.8       |
| WSW            |      | 1.8          |         |                                |                            |                             |                 | 3.5     |      | 1.8                | 57.9       |              |                       | 40.4       |
| W              |      | 3.0          | 3.0     |                                |                            |                             |                 | 4.5     | 1.3  | 9.0                | 59.7       |              |                       | 37.3       |
| WNW            |      | 13.3         | 3.3     |                                |                            |                             |                 | 10.0    | 16.7 | 3.3                | 60.0       |              |                       | 20.0       |
| NW             |      | 7.7          |         |                                |                            |                             |                 | 3.8     |      | 3.8                | 61.5       |              |                       | 34.6       |
| NNW            |      | 3.8          |         |                                |                            |                             |                 | 3.8     | 3.8  | 7.7                | 53.8       |              |                       | 34.6       |
| VARIABLE       |      |              |         |                                |                            |                             |                 |         |      |                    |            |              |                       |            |
| CALM           | 1.0  | 6.2          |         |                                |                            |                             |                 | 2.1     | 1.0  | 2.3                | 50.5       |              |                       | 42.3       |
| TOTAL          | 12   | 67           | 4       |                                |                            |                             |                 | 63      | 30   | 34                 | 496        |              |                       | 431        |
| % TOTAL        | 1.2  | 6.8          | .4      |                                |                            |                             |                 | 6.4     | 3.0  | 3.4                | 50.0       |              |                       | 43.4       |

TOTAL NUMBER OF OBSERVATIONS 992

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

| 1975           | CHARLESTON, SOUTH CAROLINA NWSE | STATION NAME | FEBRUARY 73-DECEMBER 76 | YEARS                             | SEPTEMBER                          | MONTH                                      | ALL                | HOURS (L.S.T.) |      |                       |               |                 |                                |               |
|----------------|---------------------------------|--------------|-------------------------|-----------------------------------|------------------------------------|--|--------------------|----------------|------|-----------------------|---------------|-----------------|--------------------------------|---------------|
| WIND DIRECTION | RAIN                            | RAIN SHOWERS | DRIZZLE                 | FREEZING RAIN<br>FREEZING DRIZZLE | SLEET<br>"SHOWERS"<br>ICE CRYSTALS | SNOW<br>"GRAINS"<br>"PELLETS"<br>"SHOWERS" | HAIL<br>SMALL HAIL | THUNDER        | FOG  | ICE FOG<br>GROUND FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
| N              | 4.3                             | 1.4          | 7.7                     |                                   |                                    |  |                    | 1.4            | 6.5  | 7.1                   | 62.4          |                 |                                | 27.7          |
| NNE            | 10.1                            | 3.0          | 1.0                     |                                   |                                    |  |                    | 1.0            | 10.1 | 4.0                   | 56.6          |                 |                                | 35.4          |
| NE             | 4.5                             | 3.0          |                         |                                   |                                    |  |                    | 1.5            | 7.6  | 4.5                   | 53.0          |                 |                                | 39.4          |
| ENE            | 4.2                             | 6.3          |                         |                                   |                                    |  |                    | 2.1            | 6.3  | 2.1                   | 45.8          |                 |                                | 50.0          |
| E              | 3.8                             | 9.6          |                         |                                   |                                    |  |                    | 1.9            | 5.8  |                       | 61.5          |                 |                                | 28.8          |
| ESE            |                                 | 6.9          |                         |                                   |                                    |  |                    |                |      |                       | 62.1          |                 |                                | 37.9          |
| SE             |                                 | 12.6         |                         |                                   |                                    |  |                    | 2.1            |      |                       | 59.1          |                 |                                | 36.4          |
| SSE            |                                 | 8.8          |                         |                                   |                                    |  |                    | 5.3            | 1.8  |                       | 33.3          |                 |                                | 61.4          |
| S              | 1.5                             | 7.4          |                         |                                   |                                    |  |                    | 2.9            |      |                       | 30.9          |                 |                                | 66.2          |
| SSW            |                                 |              |                         |                                   |                                    |  |                    | 1.9            | 3.8  |                       | 41.5          |                 |                                | 56.6          |
| SW             |                                 |              |                         |                                   |                                    |  |                    | 1.8            |      |                       | 39.3          |                 |                                | 58.9          |
| WSW            | 2.4                             | 7.3          |                         |                                   |                                    |  |                    | 7.3            |      | 2.4                   | 51.2          |                 |                                | 46.3          |
| W              | 2.5                             | 5.0          |                         |                                   |                                    |  |                    | 5.0            | 5.0  | 2.5                   | 55.0          |                 |                                | 40.0          |
| WNW            |                                 | 8.0          |                         |                                   |                                    |  |                    |                |      | 8.0                   | 60.0          |                 |                                | 32.0          |
| NW             |                                 |              |                         |                                   |                                    |  |                    |                |      | 4.8                   | 71.4          |                 |                                | 28.6          |
| NNW            |                                 | 3.0          |                         |                                   |                                    |  |                    |                | 6.1  | 18.2                  | 66.7          |                 |                                | 24.2          |
| VARIABLE       |                                 |              |                         |                                   |                                    |  |                    |                |      |                       |               |                 |                                |               |
| CALM           |                                 |              |                         |                                   |                                    |  |                    |                |      |                       |               |                 |                                |               |
| TOTAL          | 26                              | 40           | 2                       |                                   |                                    |  |                    | 23             | 45   | 43                    | 487           |                 |                                | 413           |
| % TOTAL        | 2.7                             | 4.2          | .2                      |                                   |                                    |  |                    | 2.4            | 4.7  | 4.5                   | 50.7          |                 |                                | 43.0          |

TOTAL NUMBER OF OBSERVATIONS

960



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

13758 STATION CHARLESTON, SOUTH CAROLINA NWSE FEBRUARY 73-DECEMBER 76 MONTH OCTOBER ALL HOURS (L.S.T.)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>GRAINS<br>PELLETS<br>SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 | 1.3  | 1.5             |         |   |                                     |                                      |                       |         | 3.5 | 7.5                      | 35.7          |                 |                                | 58.3          |
| NNE               | 1.3  | .6              |         |   |                                     |                                      |                       |         |     | 5.1                      | 24.7          |                 |                                | 73.4          |
| NE                |      |                 |         |   |                                     |                                      |                       |         |     | 2.9                      | 36.8          |                 |                                | 63.2          |
| ENE               |      |                 |         |   |                                     |                                      |                       |         |     | 3.0                      | 39.4          |                 |                                | 60.6          |
| E                 | 2.1  |                 |         |   |                                     |                                      |                       |         |     | 2.1                      | 33.3          |                 |                                | 64.6          |
| ESE               |      |                 |         |   |                                     |                                      |                       |         |     |                          | 27.8          |                 |                                | 72.2          |
| SE                |      | 4.5             |         |   |                                     |                                      |                       |         |     |                          | 45.5          |                 |                                | 54.5          |
| SSE               | 2.6  | 2.6             |         |   |                                     |                                      |                       |         | 2.6 |                          | 43.6          |                 |                                | 51.3          |
| S                 | 2.4  | 7.3             |         |   |                                     |                                      |                       | 2.4     | 4.9 |                          | 48.8          |                 |                                | 43.9          |
| SSW               |      | 6.7             |         |   |                                     |                                      |                       |         |     |                          | 46.7          |                 |                                | 46.7          |
| SW                |      |                 |         |   |                                     |                                      |                       |         |     |                          | 26.1          |                 |                                | 73.9          |
| WSW               | 4.7  | 6.2             |         |   |                                     |                                      |                       | 4.2     | 4.2 | 4.2                      | 50.0          |                 |                                | 45.8          |
| W                 |      |                 |         |   |                                     |                                      |                       |         |     | 3.7                      | 25.9          |                 |                                | 74.1          |
| WNW               |      | 4.4             |         |   |                                     |                                      |                       | 2.2     | 4.4 | 8.9                      | 44.4          |                 |                                | 48.9          |
| NW                |      |                 |         |   |                                     |                                      |                       |         |     | 7.5                      | 25.0          |                 |                                | 75.0          |
| NNW               |      |                 |         |   |                                     |                                      |                       |         |     | 13.3                     | 45.0          |                 |                                | 55.0          |
| VARIABLE          |      |                 |         |   |                                     |                                      |                       |         |     |                          |               |                 |                                |               |
| CALM              | 1.0  | 1.0             |         |   |                                     |                                      |                       | 1.0     | 1.0 | 14.3                     | 45.5          |                 |                                | 42.8          |
| TOTAL             | 8    | 14              |         |   |                                     |                                      |                       | 4       | 15  | 60                       | 364           |                 |                                | 595           |
| % TOTAL           | .8   | 1.4             |         |   |                                     |                                      |                       | .4      | 1.5 | 6.0                      | 36.7          |                 |                                | 60.0          |

TOTAL NUMBER OF OBSERVATIONS

992

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

13758 STATION NAME CHARLESTON, SOUTH CAROLINA NWSE02 FEBRUARY 76 DECEMBER 76 MONTH NOVEMBER ALL HOURS (L.S.T.)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>"SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>GRAINS<br>"PELLETS<br>"SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG  | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|--------------------------------------|--|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 | 6.9  |                 | 2.3     |   |                                      |  |                       |         | 14.6 | 7.7                      | 21.5          |                 |                                | 59.2          |
| NNE               | 4.4  |                 |         |   |                                      |  |                       |         | 8.8  | 4.4                      | 19.1          |                 |                                | 69.1          |
| NE                |      | 6.5             |         |   |                                      |  |                       |         | 4.3  | 6.5                      | 28.3          |                 |                                | 65.2          |
| ENE               | 10.3 |                 |         |   |                                      |  |                       |         | 6.9  |                          | 31.0          |                 |                                | 55.2          |
| E                 | 2.7  | 2.7             |         |   |                                      |  |                       |         | 2.7  | 2.7                      | 24.3          |                 |                                | 73.0          |
| ESE               |      |                 |         |   |                                      |  |                       |         |      | 5.9                      | 35.3          |                 |                                | 64.7          |
| SE                | 6.3  |                 |         |   |                                      |  |                       |         | 12.9 | 6.3                      | 25.0          |                 |                                | 56.3          |
| SSE               | 4.2  |                 |         |   |                                      |  |                       |         | 4.2  | 8.3                      | 33.3          |                 |                                | 58.3          |
| S                 | 2.2  | 6.5             |         |   |                                      |  |                       |         | 8.7  | 6.5                      | 26.1          |                 |                                | 56.5          |
| SSW               | 3.7  | 1.9             |         |   |                                      |  |                       |         | 3.7  | 5.6                      | 29.6          |                 |                                | 57.4          |
| SW                |      | 2.2             |         |   |                                      |  |                       |         | 6.7  |                          | 17.8          |                 |                                | 75.6          |
| WSW               |      | 1.7             | 1.7     |   |                                      |  |                       |         | 8.5  | 3.4                      | 8.5           |                 |                                | 81.4          |
| W                 | 9    | 1.7             |         |   |                                      |  |                       |         | 6.1  | 2.6                      | 18.3          |                 |                                | 72.2          |
| WNW               |      |                 | 2.0     |   |                                      |  |                       |         | 4.0  | 2.0                      | 22.0          |                 |                                | 74.0          |
| NW                | 2.6  |                 |         |   |                                      |  |                       |         | 2.6  | 2.6                      | 30.8          |                 |                                | 66.7          |
| NNW               | 1.8  |                 |         |   |                                      |  |                       |         | 7.3  | 3.6                      | 25.5          |                 |                                | 63.6          |
| VARIABLE          |      |                 |         |   |                                      |  |                       |         |      |                          |               |                 |                                |               |
| CALM              |      |                 |         |   |                                      |  |                       |         | 12.3 | 12.1                     | 20.0          |                 |                                | 54.9          |
| TOTAL             | 27   | 13              | 6       |   |                                      |  |                       |         | 77   | 53                       | 215           |                 |                                | 625           |
| % TOTAL           | 2.3  | 1.4             | .6      |   |                                      |  |                       |         | 8.0  | 5.5                      | 22.6          |                 |                                | 65.1          |

TOTAL NUMBER OF OBSERVATIONS

960

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

19758 CHARLESTON, SOUTH CAROLINA NWSE FEBRUARY 73-DECEMBER 76 ALL  
STATION NAME MONTH YEARS HOURS (L.S.T.)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>GRAINS<br>PELLETS<br>SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG  | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|-------------------------------------|--------------------------------------|-----------------------|---------|------|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 | 10.1 | 2.0             |         |   |                                     |                                      |                       |         | 8.1  | 5.1                      | 16.2          |                 |                                | 70.7          |
| NNE               | 9.3  | 2.7             |         |   |                                     |                                      |                       |         | 4.0  | 4.0                      | 9.3           |                 |                                | 80.0          |
| NE                | 8.5  | 4.3             |         |   |                                     |                                      |                       |         | 10.6 |                          | 21.3          |                 |                                | 66.0          |
| ENE               | 11.3 |                 |         |   |                                     |                                      |                       |         | 11.3 |                          | 29.4          |                 |                                | 55.9          |
| E                 | 10.0 |                 | 10.0    |   |                                     |                                      |                       |         | 15.0 | 5.0                      | 5.0           |                 |                                | 70.0          |
| ESE               | 9.1  |                 |         |   |                                     |                                      |                       |         | 9.1  |                          | 18.2          |                 |                                | 72.7          |
| SE                | 14.3 | 7.1             |         |   |                                     |                                      |                       |         | 7.1  | 7.1                      | 14.3          |                 |                                | 64.3          |
| SSE               | 10.0 | 10.0            |         |   |                                     |                                      |                       |         | 15.0 | 5.0                      | 25.0          |                 |                                | 42.5          |
| S                 | 3.7  | 5.6             |         |   |                                     |                                      |                       |         | 11.1 | 3.7                      | 35.2          |                 |                                | 50.0          |
| SSW               | 5.9  | 2.9             |         |   |                                     |                                      |                       |         | 14.7 | 8.8                      | 29.4          |                 |                                | 53.9          |
| SW                | 21.3 | 6.6             |         |   |                                     |                                      |                       |         | 9.3  |                          | 32.0          |                 |                                | 50.8          |
| WSW               | 5.9  | 1.3             |         |   |                                     |                                      |                       |         | 16.2 | 1.3                      | 35.3          |                 |                                | 51.5          |
| W                 | 1.4  | .7              |         |   |                                     |                                      |                       |         | 7.1  |                          | 18.4          |                 |                                | 76.6          |
| WNW               | 2.5  |                 |         |   |                                     |                                      |                       |         | 1.3  | 1.3                      | 16.3          |                 |                                | 79.7          |
| NW                | 6.7  |                 | 4.4     |   |                                     |                                      |                       |         | 20.0 | 2.2                      | 26.7          |                 |                                | 51.1          |
| NNW               | 21.1 |                 | 2.6     |   |                                     |                                      |                       |         | 18.4 |                          | 23.7          |                 |                                | 52.6          |
| VARIABLE          |      |                 |         |   |                                     |                                      |                       |         |      |                          |               |                 |                                |               |
| CALM              |      |                 |         |   |                                     |                                      |                       |         |      |                          |               |                 |                                |               |
| TOTAL             | 81   | 22              | 5       |   |                                     |                                      |                       |         | 101  | 39                       | 212           |                 |                                | 636           |
| % TOTAL           | 8.2  | 2.2             | .5      |   |                                     |                                      |                       |         | 10.2 | 3.9                      | 21.4          |                 |                                | 64.1          |

TOTAL NUMBER OF OBSERVATIONS 992

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

13738 CHARLESTON, SOUTH CAROLINA NWSE FEBRUARY 75-DECEMBER 76 ALL MONTH ALL HOURS (LOCAL)

STATION

STATION NAME

YEARS

MONTH

HOURS (LOCAL)

| WIND<br>DIRECTION | RAIN | RAIN<br>SHOWERS | DRIZZLE | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET<br>" SHOWERS<br>ICE<br>CRYSTALS | SNOW<br>" GRAINS<br>" PELLETS<br>" SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER | FOG | ICE FOG<br>GROUND<br>FOG | SMOKE<br>HAZE | BLOWING<br>SNOW | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER |
|-------------------|------|-----------------|---------|---|---------------------------------------|--|-----------------------|---------|-----|--------------------------|---------------|-----------------|--------------------------------|---------------|
| N                 | 4.3  | 2.6             | 1.0     |   | 2                                     | 5  |                       | 1.1     | 7.7 | 5.8                      | 37.0          | .2              |                                | 51.6          |
| NNE               | 6.0  | 2.6             | .5      |   | 1                                     | 1  |                       | 1.6     | 5.6 | 4.5                      | 32.2          |                 |                                | 58.5          |
| NE                | 3.9  | 3.3             | .2      |   | 2                                     | 2  |                       | 1.5     | 5.2 | 4.4                      | 40.1          |                 |                                | 52.4          |
| ENE               | 3.3  | 4.3             | 1.3     |   | 3                                     |  |                       | 1.3     | 6.0 | 3.3                      | 37.6          |                 |                                | 52.9          |
| E                 | 2.4  | 4.2             | 1.2     |   |                                       |  |                       | 1.0     | 5.4 | 2.0                      | 38.8          |                 |                                | 52.8          |
| ESE               | 1.7  | 3.8             | .3      |   |                                       |  |                       | 2.0     | 3.8 | 1.4                      | 38.2          |                 |                                | 55.6          |
| SE                | 1.8  | 4.9             | .6      |   |                                       |  |                       | 5.2     | 2.1 | 1.5                      | 39.9          |                 |                                | 53.1          |
| SSE               | 1.9  | 5.4             | .2      |   |                                       |  |                       | 1.8     | 2.9 | 1.6                      | 35.7          |                 |                                | 57.3          |
| S                 | 1.7  | 6.7             | .1      |   |                                       |  |                       | 2.9     | 2.0 | 1.7                      | 38.4          |                 |                                | 53.9          |
| SSW               | 1.9  | 4.1             | .1      |   |                                       |  |                       | 1.7     | 2.7 | 2.0                      | 42.8          |                 |                                | 51.9          |
| SW                | 2.5  | 5.0             | .3      |   |                                       |  |                       | 2.4     | 2.8 | 1.7                      | 41.3          |                 |                                | 53.5          |
| WSW               | 2.4  | 3.5             | .1      |   |                                       |  |                       | 1.5     | 2.8 | 2.8                      | 44.1          |                 |                                | 50.9          |
| W                 | 1.0  | 2.0             | .3      |   |                                       |  |                       | 1.1     | 2.6 | 2.8                      | 34.9          |                 | .1                             | 61.0          |
| WNW               | 1.1  | 3.1             | .6      |   |                                       |  |                       | 1.5     | 2.9 | 3.7                      | 33.3          |                 |                                | 60.8          |
| NW                | 1.5  | 2.6             | .9      |   |                                       |  |                       | 2.1     | 6.2 | 3.5                      | 39.4          |                 |                                | 52.1          |
| NNW               | 4.0  | 1.7             | .2      |   |                                       | .2   |                       | 1.0     | 7.7 | 6.2                      | 35.9          |                 |                                | 56.1          |
| VARIABLE          |      |                 |         |   |                                       |  |                       |         |     |                          |               |                 |                                |               |
| CALM              |      |                 |         |   |                                       |  |                       |         |     |                          |               |                 |                                |               |
| TOTAL             | 293  | 410             | 50      | 2                                       | 5                                     | 9  |                       | 197     | 529 | 467                      | 4312          | 2               | 1                              | 6198          |
| % TOTAL           | 2.6  | 3.6             | .4      | .0                                      | .0                                    | .1   |                       | 1.7     | 4.6 | 4.1                      | 37.7          | .0              | .0                             | 54.2          |

TOTAL NUMBER OF OBSERVATIONS

11,440

NAVWEASERVCOM



PRECIPITATION

## PART B      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION  
SNOWFALL\*  
SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS  
DERIVED FROM DAILY OBSERVATIONS  
DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

|  |                                      |                        |
|--|--------------------------------------|------------------------|
| Air Force Stations                     | From beginning of record thru 1945   | Snow depth at 0800 LST |
|  | Jan 46-May 57                        | Snow depth at 1230 GCT |
|  | Jun 57-present                       | Snow depth at 1200 GCT |
| U. S. Navy and Weather Bureau Stations | From beginning of record thru Jun 52 | Snow depth at 0030 GCT |
|  | Jul 52-May 57                        | Snow depth at 1230 GCT |
|  | Jun 57-present                       | Snow depth at 1200 GCT |

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

13758 CHARLESTON, SOUTH CAROLINA 74-76

STATION NAME

YEARS

| PRECIP.<br>SNOW-<br>DEPTH | NONE | TRACE | 01  | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | PERCENT<br>OF DAYS<br>WITH<br>MEASUR-<br>ABLE<br>AMTS | TOTAL<br>NO.<br>OF<br>OBS. | MONTHLY AMOUNTS<br>(INCHES) |          |       |
|---------------------------|------|-------|-----|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|---|----------------------------|-----------------------------|----------|-------|
|                           |      |       |     |         |         |         |         |          |           |           |            |             |            |   |                            | MEAN                        | GREATEST | LEAST |
|                           |      |       |     |         |         |         |         |          |           |           |            |             |            |   |                            |                             |          |       |
| JAN                       | 58.1 | 4.8   | 3.2 | 1.6     | 6.5     | 6.7     | 12.9    | 1.6      | 1.6       |           |            |             |            | 37.1  | 62                         | 3.49                        | 5.18     | 1.10  |
| FEB                       | 66.7 | 7.0   |     | 7.0     | 3.5     | 10.5    | 1.8     | 3.5      |           |           |            |             |            | 26.3  | 57                         | 1.50                        | 2.29     | .71   |
| MAR                       | 58.1 | 10.8  |     | 3.2     | 7.5     | 6.5     | 5.4     | 3.2      | 4.3       | 1.1       |            |             |            | 31.2  | 93                         | 4.68                        | 5.01     | 4.17  |
| APR                       | 76.7 | 4.4   |     | 7.8     | 1.1     | 7.8     | 1.1     |          | 1.1       |           |            |             |            | 18.9  | 90                         | 1.36                        | 3.17     | .28   |
| MAY                       | 58.1 | 10.8  | 4.3 | 5.4     | 3.2     | 3.2     | 4.3     | 7.5      | 2.2       | 1.1       |            |             |            | 31.2  | 93                         | 4.69                        | 6.76     | 3.02  |
| JUN                       | 44.4 | 11.1  | 6.7 | 5.6     | 10.0    | 6.7     | 8.9     | 4.4      | 2.2       |           |            |             |            | 44.4  | 90                         | 3.50                        | 5.41     | 2.27  |
| JUL                       | 51.6 | 7.5   | 4.3 | 4.3     | 3.2     | 4.3     | 7.5     | 11.8     | 5.4       |           |            |             |            | 40.9  | 93                         | 6.21                        | 9.21     | 4.06  |
| AUG                       | 41.9 | 9.7   | 5.4 | 8.6     | 5.4     | 7.5     | 3.2     | 7.5      | 10.8      |           |            |             |            | 48.4  | 93                         | 7.25                        | 12.67    | 4.27  |
| SEP                       | 48.9 | 11.1  | 4.4 | 7.8     | 7.8     | 6.7     | 6.7     | 2.2      | 3.3       | 1.1       |            |             |            | 40.0  | 90                         | 5.14                        | 5.74     | 4.00  |
| OCT                       | 82.8 | 4.3   |     | 3.2     |         | 3.2     | 3.2     | 1.1      | 2.2       |           |            |             |            | 12.9  | 93                         | 1.89                        | 4.15     | .69   |
| NOV                       | 70.0 | 10.0  | 4.4 | 1.1     | 2.2     | 3.6     | 2.2     | 1.1      | 3.3       |           |            |             |            | 20.0  | 90                         | 2.05                        | 3.04     | .51   |
| DEC                       | 52.7 | 10.8  | 5.4 | 4.3     | 6.5     | 8.6     | 3.2     | 6.5      | 2.2       |           |            |             |            | 36.6  | 93                         | 3.31                        | 4.67     | 2.12  |
| ANNUAL                    | 59.2 | 8.5   | 3.2 | 5.0     | 4.7     | 6.7     | 5.0     | 4.2      | 3.2       | .3        |            |             |            | 32.3  | 1037                       | 45.07                       |          |       |

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

13758 STATION CHARLESTON, SOUTH CAROLINA 73-76 YEARS

STATION NAME

YEARS

| AMOUNTS (INCHES) |       |       |         |         |         |         |         |          |           |           |            |             |            |      | PERCENT<br>OF DAYS<br>WITH<br>MEASUR-<br>ABLE<br>AMTS | TOTAL<br>NO.<br>OF<br>OBS. | MONTHLY AMOUNTS<br>(INCHES) |       |  |
|------------------|-------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|------|---|----------------------------|-----------------------------|-------|--|
| PRECIP.          | NONE  | TRACE | 01      | .02-.05 | .06-10  | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | MEAN |   |                            | GREATEST                    | LEAST |  |
|                  |       |       |         |         |         |         |         |          |           |           |            |             |            |      |   |                            |                             |       |  |
| SNOWFALL         | NONE  | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4  | 6.5-10.4  | 10.5-15.4 | 15.5-25.4  | 25.5-50.4   | OVER 50.4  |      |   |                            |                             |       |  |
| SNOW-<br>DEPTH   | NONE  | TRACE | 1       | 2       | 3       | 4-6     | 7-12    | 13-24    | 25-36     | 37-48     | 49-60      | 61-120      | OVER 120   |      |   |                            |                             |       |  |
| JAN              | 97.8  | 2.2   |         |         |         |         |         |          |           |           |            |             |            | 93   | TRACE   | TRACE                      | .0                          |       |  |
| FEB              | 95.6  | 3.5   |         |         |         |         |         |          | .9        |           |            |             |            | .9   | 113   | 1.6                        | 6.5                         | .0    |  |
| MAR              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 124   | .0                         | .0                          | .0    |  |
| APR              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 120   | .0                         | .0                          | .0    |  |
| MAY              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 124   | .0                         | .0                          | .0    |  |
| JUN              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 120   | .0                         | .0                          | .0    |  |
| JUL              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 124   | .0                         | .0                          | .0    |  |
| AUG              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 124   | .0                         | .0                          | .0    |  |
| SEP              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 120   | .0                         | .0                          | .0    |  |
| OCT              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 124   | .0                         | .0                          | .0    |  |
| NOV              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 120   | .0                         | .0                          | .0    |  |
| DEC              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      | 93  | .0                         | .0                          | .0    |  |
| ANNUAL           | 99.4  | .5    |         |         |         |         |         |          | .1        |           |            |             |            | .1   | 1399  | 1.6                        |                             |       |  |

5722 Daily Amounts Jan. 1969



# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

13759 STATION CHARLESTON, SOUTH CAROLINA 73-76 YEARS

| AMOUNTS (INCHES) |       |       |         |         |         |         |         |          |           |           |            |             |            |      | PERCENT<br>OF DAYS<br>WITH<br>MEASUR-<br>ABLE<br>AMTS | TOTAL<br>NO.<br>OF<br>OBS. | MONTHLY AMOUNTS<br>(INCHES) |       |  |
|------------------|-------|-------|---------|---------|---------|---------|---------|----------|-----------|-----------|------------|-------------|------------|------|---|----------------------------|-----------------------------|-------|--|
| PRECIP.          | NONE  | TRACE | 01      | .02-.05 | .06-10  | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | MEAN |   |                            | GREATEST                    | LEAST |  |
|                  |       |       |         |         |         |         |         |          |           |           |            |             |            |      |   |                            |                             |       |  |
| SNOWFALL         | NONE  | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4  | 6.5-10.4  | 10.5-15.4 | 15.5-25.4  | 25.5-30.4   | OVER 30.4  |      |   |                            |                             |       |  |
| SNOW-<br>DEPTH   | NONE  | TRACE | 1       | 2       | 3       | 4-6     | 7-12    | 13-24    | 25-36     | 37-48     | 49-60      | 61-120      | OVER 120   |      |   |                            |                             |       |  |
| JAN              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 62                         |                             |       |  |
| FEB              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 85                         |                             |       |  |
| MAR              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 124                        |                             |       |  |
| APR              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 120                        |                             |       |  |
| MAY              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 124                        |                             |       |  |
| JUN              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 120                        |                             |       |  |
| JUL              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 124                        |                             |       |  |
| AUG              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 124                        |                             |       |  |
| SEP              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 120                        |                             |       |  |
| OCT              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 124                        |                             |       |  |
| NOV              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 120                        |                             |       |  |
| DEC              | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 124                        |                             |       |  |
| ANNUAL           | 100.0 |       |         |         |         |         |         |          |           |           |            |             |            |      |   | 1371                       |                             |       |  |

## EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

| STATION | STATION NAME               | YEARS |
|---------|----------------------------|-------|
| 13758   | CHARLESTON, SOUTH CAROLINA | 73-76 |

24 HOUR AMOUNTS IN INCHES

[illegible]

PRECIPITATION  
FROM DAILY OBSERVATIONS

19758 CHARLESTON, SOUTH CAROLINA 73-76

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES  
BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

SNOWFALL  
FROM DAILY OBSERVATIONS

CHARLESTON, SOUTH CAROLINA

13758

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]



## 2

SON OF FALL

97-96

13758

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

FROM DAILY OBSERVATIONS)

73-76

CHARLESTON, SOUTH CAROLINA

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

NAVWEASERVCOM







## PART C

# SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

**SURFACE WINDS**  
FROM DAILY OBSERVATIONS

CHARLESTON, SOUTH CAROLINA

[illegible]

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

**SURFACE WINDS**  
**FROM DAILY OBSERVATIONS**

75-76

CHARLESTON, SOUTH CAROLINA

13738

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS  
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSEB 74-76

YEARS

JAN  
MONTHALL WEATHER  
CLASS

HOURS (L.S.T.)

01

MMH

5702 SURFACE WINDS JAN 68

1234-18766

MMH

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.2   | 5.4   | 5.4    | 1.1     |         |         |         |         |         |         |      | 12.1  | 6.5                   |
| NNE                     | 2.2   | 2.2   | 1.1    |         |         |         |         |         |         |         |      | 5.4   | 4.8                   |
| NE                      | 1.1   | 3.2   | 1.1    | 1.1     |         |         |         |         |         |         |      | 6.3   | 6.3                   |
| ENE                     |       |       |        | 1.1     |         |         |         |         |         |         |      | 1.1   | 12.0                  |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     | 3.2   | 1.1   |        |         |         |         |         |         |         |         |      | 4.3   | 3.5                   |
| S                       | 2.2   | 1.1   | 2.2    | 1.1     | 1.1     |         |         |         |         |         |      | 7.5   | 8.9                   |
| SSW                     | 3.2   | 5.4   |        | 1.1     |         |         |         |         |         |         |      | 9.7   | 5.1                   |
| SW                      | 1.1   | 1.1   | 3.2    |         |         |         |         |         |         |         |      | 5.4   | 5.8                   |
| WSW                     | 1.1   | 1.1   | 2.2    |         |         |         |         |         |         |         |      | 4.3   | 6.5                   |
| W                       | 2.2   | 5.4   | 2.2    | 1.1     |         |         |         |         |         |         |      | 10.8  | 6.0                   |
| WNW                     | 1.1   | 1.1   | 3.2    | 1.1     |         |         |         |         |         |         |      | 6.5   | 7.8                   |
| NW                      |       |       |        | 1.1     |         |         |         |         |         |         |      | 1.1   | 15.0                  |
| NNW                     |       | 1.1   |        | 2.2     |         |         |         |         |         |         |      | 3.2   | 10.3                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 19.4  |                       |
|                         | 20.4  | 28.0  | 20.4   | 10.8    | 1.1     |         |         |         |         |         |      | 100.0 | 5.3                   |

TOTAL NUMBER OF OBSERVATIONS

93



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA

NUSED

74-75

YEARS

JAN  
MONTHALL WEATHER  
CLASS04  
HOURS (L.S.T.)

MMH

5702 SURFACE WINDS JAN 68

1234-18766

MMH

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 4.3   | 4.3    | 2.2     |         |         |         |         |         |         |      | 10.8  | 8.1                   |
| NNE                     | 1.1   | 2.2   | 3.2    | 1.1     |         |         |         |         |         |         |      | 7.5   | 7.4                   |
| NE                      |       |       | 1.1    |         |         |         |         |         |         |         |      | 1.1   | 7.0                   |
| ENE                     | 2.2   | 1.1   | 2.2    | 1.1     |         |         |         |         |         |         |      | 6.5   | 6.2                   |
| E                       |       | 1.1   |        |         |         |         |         |         |         |         |      | 1.1   | 4.0                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       | 2.2    |         |         |         |         |         |         |         |      |       |                       |
| S                       | 1.1   | 2.2   |        |         | 1.1     | 1.1     |         |         |         |         |      | 2.2   | 8.0                   |
| SSW                     | 5.4   | 2.2   |        |         |         |         |         |         |         |         |      | 5.4   | 11.2                  |
| SW                      | 1.1   | 3.2   | 1.1    |         |         |         |         |         |         |         |      | 7.5   | 3.1                   |
| WSW                     | 3.2   | 2.2   | 2.2    | 1.1     |         |         |         |         |         |         |      | 5.4   | 5.4                   |
| W                       | 1.1   | 3.2   | 2.2    |         |         |         |         |         |         |         |      | 8.6   | 6.4                   |
| WNW                     | 1.1   | 2.2   | 5.4    | 1.1     |         |         |         |         |         |         |      | 6.5   | 5.5                   |
| NW                      |       |       |        | 1.1     |         |         |         |         |         |         |      | 9.7   | 7.4                   |
| NNW                     | 1.1   | 1.1   | 1.1    |         |         |         |         |         |         |         |      | 1.1   | 13.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      | 3.2   | 4.7                   |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 23.7  |                       |
|                         | 17.2  | 24.7  | 24.7   | 7.5     | 1.1     | 1.1     |         |         |         |         |      | 100.0 | 5.2                   |

TOTAL NUMBER OF OBSERVATIONS

93

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

4495

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 74-76

JAN  
MONTH

YEARS

ALL WEATHER  
CLASS07  
HOURS (L.S.T.)

MMMM

5702 SURFACE WINDS JAN 68

1234-18766

MMMM

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.3   | 2.2   | 1.1    | 2.2     |         |         |         |         |         |         |      | 9.7   | 6.6                   |
| NNE                     | 2.2   | 2.2   | 3.2    | 1.1     |         |         |         |         |         |         |      | 8.6   | 6.8                   |
| NE                      |       | 2.2   | 3.2    |         |         |         |         |         |         |         |      | 5.4   | 6.8                   |
| ENE                     |       |       | 1.1    |         |         |         |         |         |         |         |      | 1.1   | 7.0                   |
| E                       | 1.1   | 1.1   |        |         |         |         |         |         |         |         |      | 2.2   | 3.5                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     | 2.2   |       |        |         |         |         |         |         |         |         |      | 2.2   | 2.5                   |
| S                       | 2.2   | 1.1   |        |         |         |         |         |         |         |         |      | 3.2   | 3.7                   |
| SSW                     | 1.1   | 2.2   | 2.2    | 1.1     |         |         |         |         |         |         |      | 6.5   | 7.0                   |
| SW                      | 1.1   |       | 1.1    |         |         | 1.1     |         |         |         |         |      | 3.2   | 11.3                  |
| WSW                     |       | 3.2   | 2.2    | 2.2     |         |         |         |         |         |         |      | 7.5   | 7.9                   |
| W                       | 3.2   | 4.3   |        | 1.1     |         |         |         |         |         |         |      | 8.6   | 4.8                   |
| WNW                     | 2.2   | 4.3   | 3.2    | 1.1     | 1.1     |         |         |         |         |         |      | 10.8  | 6.4                   |
| NW                      |       |       | 2.2    | 1.1     |         |         |         |         |         |         |      | 3.2   | 9.3                   |
| NNW                     | 2.2   | 1.1   | 3.2    |         |         |         |         |         |         |         |      | 6.5   | 5.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 21.5  |                       |
|                         | 21.5  | 23.7  | 22.6   | 6.6     | 1.1     | 1.1     |         |         |         |         |      | 100.0 | 5.1                   |

TOTAL NUMBER OF OBSERVATIONS

93

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 74-76

STATION NAME

YEARS

JAN  
MONTH10  
HOURS (L.S.T.)ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.1   | 5.4   | 1.1    | 5.4     |         |         |         |         |         |         |      | 12.9  | 8.4                   |
| NNE                     |       | 1.1   | 3.2    | 3.2     |         |         |         |         |         |         |      | 7.5   | 9.3                   |
| NE                      |       |       | 4.3    |         |         |         |         |         |         |         |      | 4.3   | 8.8                   |
| ENE                     |       | 2.2   | 1.1    |         |         |         |         |         |         |         |      | 3.2   | 6.0                   |
| E                       | 1.1   | 1.1   |        | 1.1     |         |         |         |         |         |         |      | 3.2   | 7.0                   |
| ESE                     | 1.1   |       |        |         |         |         |         |         |         |         |      | 1.1   | 2.0                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     | 3.2   |       |        |         |         |         |         |         |         |         |      | 3.2   | 1.3                   |
| S                       |       | 3.2   |        |         |         |         |         |         |         |         |      | 3.2   | 4.7                   |
| SSW                     | 1.1   | 4.3   | 1.1    |         |         | 1.1     |         |         |         |         |      | 7.5   | 7.9                   |
| SW                      | 1.1   | 1.1   |        | 1.1     |         |         |         |         |         |         |      | 3.2   | 6.3                   |
| WSW                     | 1.1   | 2.2   |        | 2.2     |         |         |         |         |         |         |      | 5.4   | 5.2                   |
| W                       | 3.2   | 3.2   | 4.3    | 1.1     | 1.1     |         |         |         |         |         |      | 12.9  | 7.1                   |
| WNW                     | 1.1   |       | 4.3    |         |         |         |         |         |         |         |      | 5.4   | 7.8                   |
| NW                      |       | 4.3   | 4.3    |         | 1.1     |         |         |         |         |         |      | 9.7   | 7.7                   |
| NNW                     |       | 1.1   | 1.1    | 1.1     |         |         |         |         |         |         |      | 3.2   | 9.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 14.0  |                       |
|                         | 14.0  | 29.0  | 24.7   | 15.1    | 2.2     | 1.1     |         |         |         |         |      | 100.0 | 6.4                   |

TOTAL NUMBER OF OBSERVATIONS

93

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

CHARLESTON, SOUTH CAROLINA NWSE

74-76

JAN

YEARS

MONTH

ALL WEATHER

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | 2.2  | 6.5  |      | 3.2   |       |       |       |       |       |       |     | 11.9  | 6.6                   |
| NNE                     |      | 1.1  | 1.1  | 1.1   |       |       |       |       |       |       |     | 3.2   | 7.3                   |
| NE                      |      | 3.2  | 2.2  |       |       |       |       |       |       |       |     | 3.4   | 6.6                   |
| ENE                     | 1.1  |      | 1.1  | 1.1   |       |       |       |       |       |       |     | 3.2   | 7.0                   |
| E                       |      | 2.2  |      |       |       |       |       |       |       |       |     | 2.2   | 5.0                   |
| ESE                     |      | 1.1  |      | 1.1   |       |       |       |       |       |       |     | 2.2   | 6.0                   |
| SE                      | 1.1  | 3.2  |      |       |       |       |       |       |       |       |     | 4.3   | 4.5                   |
| SSE                     |      | 2.2  | 1.1  |       |       |       |       |       |       |       |     | 3.2   | 6.0                   |
| S                       |      | 4.3  | 3.2  |       |       |       |       |       |       |       |     | 7.5   | 6.4                   |
| SSW                     |      | 1.1  | 2.2  | 3.2   |       |       |       |       |       |       |     | 6.5   | 10.8                  |
| SW                      | 1.1  | 1.1  | 2.2  |       | 1.1   |       |       |       |       |       |     | 5.4   | 8.6                   |
| WSW                     |      | 5.4  |      | 3.2   | 1.1   |       |       |       |       |       |     | 9.7   | 9.0                   |
| W                       | 1.1  | 2.2  | 6.5  | 1.1   |       |       |       |       |       |       |     | 10.8  | 7.7                   |
| WNW                     | 1.1  | 3.2  | 2.2  |       | 1.1   |       |       |       |       |       |     | 7.5   | 7.0                   |
| NW                      | 2.2  |      | 1.1  |       |       |       |       |       |       |       |     | 3.2   | 4.3                   |
| NNW                     | 1.1  | 1.1  | 1.1  | 3.2   | 1.1   |       |       |       |       |       |     | 7.5   | 10.3                  |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     | 6.5   |                       |
|                         | 10.8 | 37.6 | 23.7 | 17.2  | 4.3   |       |       |       |       |       |     | 100.0 | 7.1                   |

TOTAL NUMBER OF OBSERVATIONS

93



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA

74070

YEARS

JAN

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

NNNN

5702 SURFACE WINDS JAN 68

1234-18766

NNN

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.1   |       | 3.2    | 3.2     |         |         |         |         |         |         |      | 7.5   | 10.3                  |
| NNE                     |       | 1.1   | 2.2    |         |         |         |         |         |         |         |      | 3.2   | 7.3                   |
| NE                      |       | 1.1   |        |         |         |         |         |         |         |         |      | 1.1   | 6.0                   |
| ENE                     |       | 2.2   | 1.1    | 1.1     |         |         |         |         |         |         |      | 4.3   | 7.3                   |
| E                       |       | 1.1   | 3.2    | 1.1     |         |         |         |         |         |         |      | 5.4   | 10.0                  |
| ESE                     | 2.2   |       |        |         |         |         |         |         |         |         |      | 2.2   | 3.0                   |
| SE                      | 1.1   |       | 1.1    |         |         |         |         |         |         |         |      | 2.2   | 5.0                   |
| SSE                     | 1.1   | 4.3   | 4.3    | 1.1     |         |         |         |         |         |         |      | 10.8  | 6.6                   |
| S                       |       | 4.3   | 5.4    | 3.2     |         |         |         |         |         |         |      | 12.9  | 8.4                   |
| SSW                     |       | 2.2   | 6.5    | 2.2     |         |         |         |         |         |         |      | 10.8  | 8.9                   |
| SW                      |       | 1.1   | 1.1    | 1.1     |         |         |         |         |         |         |      | 3.2   | 8.7                   |
| WSW                     | 2.2   |       | 1.1    | 3.2     |         |         |         |         |         |         |      | 6.5   | 8.7                   |
| W                       | 1.1   | 2.2   | 3.2    | 2.2     |         |         |         |         |         |         |      | 8.6   | 7.9                   |
| WNW                     | 1.1   | 2.2   | 1.1    | 3.2     |         |         |         |         |         |         |      | 7.5   | 8.9                   |
| NW                      |       | 3.2   | 1.1    |         | 1.1     |         |         |         |         |         |      | 4.3   | 6.8                   |
| NNW                     |       | 1.1   | 3.2    |         |         |         |         |         |         |         |      | 5.4   | 9.4                   |
| VABBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.3   |                       |
|                         | 9.7   | 25.8  | 37.6   | 21.5    | 1.1     |         |         |         |         |         |      | 100.0 | 7.8                   |

TOTAL NUMBER OF OBSERVATIONS

93

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA

74-76

STATION NAME

YEARS

JAN  
MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.2   | 3.2   | 2.2    |         |         |         |         |         |         |         |      | 7.5   | 5.6                   |
| NNE                     |       |       | 2.2    |         |         |         |         |         |         |         |      | 2.2   | 7.0                   |
| NE                      | 1.1   | 2.2   | 1.1    |         |         |         |         |         |         |         |      | 4.3   | 5.0                   |
| ENE                     | 1.1   |       | 3.2    |         |         |         |         |         |         |         |      | 4.3   | 7.3                   |
| E                       | 4.3   | 1.1   | 2.2    |         |         |         |         |         |         |         |      | 7.5   | 4.1                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      | 5.4   |       |        |         |         |         |         |         |         |         |      | 5.4   | 3.0                   |
| SSE                     |       |       | 1.1    |         |         |         |         |         |         |         |      | 1.1   | 8.0                   |
| S                       | 4.3   | 2.2   | 4.3    | 2.2     |         |         |         |         |         |         |      | 12.9  | 6.5                   |
| SSW                     | 2.2   | 6.5   | 3.2    |         |         |         |         |         |         |         |      | 11.8  | 5.4                   |
| SW                      | 1.1   | 3.2   |        | 1.1     |         |         |         |         |         |         |      | 5.4   | 6.8                   |
| WSW                     | 1.1   | 2.2   | 5.4    |         |         |         |         |         |         |         |      | 8.6   | 6.4                   |
| W                       | 2.2   | 4.3   | 2.2    | 1.1     |         |         |         |         |         |         |      | 9.7   | 5.8                   |
| WNW                     | 1.1   | 1.1   |        | 2.2     |         |         |         |         |         |         |      | 4.3   | 7.8                   |
| NW                      |       | 2.2   |        | 1.1     |         |         |         |         |         |         |      | 3.2   | 8.3                   |
| NNW                     | 1.1   | 2.2   | 1.1    |         |         |         |         |         |         |         |      | 4.3   | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 26.9  | 30.1  | 28.0   | 7.5     |         |         |         |         |         |         |      | 100.0 | 5.4                   |

TOTAL NUMBER OF OBSERVATIONS

93

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 74-75

STATION NAME

YEARS

JAN

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.2   | 3.2   | 3.2    | 1.1     |         |         |         |         |         |         |      | 10.8  | 6.1                   |
| NNE                     | 1.1   | 2.2   | 3.2    |         |         |         |         |         |         |         |      | 6.5   | 6.5                   |
| NE                      | 1.1   | 1.1   | 2.2    |         |         |         |         |         |         |         |      | 4.3   | 6.3                   |
| ENE                     | 1.1   | 1.1   | 1.1    |         |         |         |         |         |         |         |      | 2.2   | 5.5                   |
| E                       | 2.2   | 1.1   |        |         |         |         |         |         |         |         |      | 3.2   | 3.0                   |
| ESE                     |       | 1.1   |        |         |         |         |         |         |         |         |      | 1.1   | 4.0                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | 2.2   | 2.2   |        | 2.2     |         |         |         |         |         |         |      | 6.5   | 6.5                   |
| SSW                     | 4.3   | 2.2   | 2.2    | 2.2     |         |         |         |         |         |         |      | 10.8  | 6.2                   |
| SW                      | 1.1   | 0.6   | 1.1    |         |         |         |         |         |         |         |      | 10.8  | 4.9                   |
| WSW                     |       | 1.1   | 3.2    | 1.1     |         |         |         |         |         |         |      | 5.4   | 8.4                   |
| W                       | 2.2   | 3.2   | 3.2    |         |         |         |         |         |         |         |      | 8.6   | 5.1                   |
| WNW                     | 2.2   | 1.1   | 4.3    |         |         |         |         |         |         |         |      | 7.5   | 6.4                   |
| NW                      |       |       | 1.1    | 1.1     |         |         |         |         |         |         |      | 2.2   | 10.0                  |
| NNW                     | 1.1   |       |        |         |         |         |         |         |         |         |      | 1.1   | 3.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 19.4  |                       |
|                         | 21.5  | 26.9  | 24.7   | 7.5     |         |         |         |         |         |         |      | 100.0 | 4.8                   |

TOTAL NUMBER OF OBSERVATIONS

93

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

74-76

STATION NAME

YEARS

JAN

MONTH

ALL

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.2   | 3.8   | 2.6    | 2.3     |         |         |         |         |         |         |      | 10.8  | 7.2                   |
| NNE                     | .8    | 1.5   | 2.4    | .8      |         |         |         |         |         |         |      | 5.5   | 7.1                   |
| NE                      | .4    | 1.6   | 1.9    | .1      |         |         |         |         |         |         |      | 4.0   | 6.6                   |
| ENE                     | .7    | .7    | 1.3    | .2      |         |         |         |         |         |         |      | 3.2   | 6.8                   |
| E                       | 1.1   | 1.1   | .7     | .3      |         |         |         |         |         |         |      | 3.1   | 5.7                   |
| ESE                     | .4    | .3    |        | .1      |         |         |         |         |         |         |      | .8    | 4.7                   |
| SE                      | .9    | .4    | .1     |         |         |         |         |         |         |         |      | 1.3   | 3.9                   |
| SSE                     | 1.2   | .9    | 1.1    | .1      |         |         |         |         |         |         |      | 3.4   | 5.2                   |
| S                       | 1.5   | 2.6   | 1.9    | 1.1     | .3      | .1      |         |         |         |         |      | 7.4   | 7.4                   |
| SSW                     | 2.2   | 3.2   | 2.2    | 1.2     | .1      | .1      |         |         |         |         |      | 6.9   | 6.7                   |
| SW                      | .9    | 2.4   | 1.2    | .4      | .1      | .1      |         |         |         |         |      | 5.2   | 6.7                   |
| WSW                     | 1.1   | 2.2   | 2.0    | 1.6     | .1      |         |         |         |         |         |      | 7.0   | 7.7                   |
| W                       | 2.0   | 3.5   | 3.0    | .9      | .1      |         |         |         |         |         |      | 9.5   | 6.3                   |
| WNW                     | 1.3   | 1.9   | 3.0    | .9      | .3      |         |         |         |         |         |      | 7.4   | 7.3                   |
| NW                      | .3    | 1.2   | 1.2    | .7      | .1      |         |         |         |         |         |      | 3.3   | 8.1                   |
| NNW                     | .8    | 1.1   | 1.3    | .8      | .3      |         |         |         |         |         |      | 4.3   | 7.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 14.5  |                       |
|                         | 17.7  | 28.2  | 25.8   | 12.0    | 1.3     | .4      |         |         |         |         |      | 100.0 | 5.9                   |

TOTAL NUMBER OF OBSERVATIONS

744



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-75

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.0   | 5.3    |         |         |         |         |         |         |         |      | 7.1   | 7.8                   |
| NNE                     | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 2.0                   |
| NE                      |       | .9    | .9     | 1.0     |         |         |         |         |         |         |      | 3.5   | 9.8                   |
| ENE                     | 1.0   | .9    | .9     | 1.0     |         |         |         |         |         |         |      | 5.3   | 7.5                   |
| E                       |       | .9    | .9     |         |         |         |         |         |         |         |      | 1.0   | 5.5                   |
| ESE                     | 1.0   |       |        |         |         |         |         |         |         |         |      | 1.0   | 2.5                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        | .9      |         |         |         |         |         |         |      | .9    | 15.0                  |
| S                       |       |       | 2.5    |         |         |         |         |         |         |         |      | 3.5   | 8.8                   |
| SSW                     |       | 2.7   | 3.5    |         |         |         |         |         |         |         |      | 6.2   | 7.7                   |
| SW                      | .9    |       | 5.3    | .9      |         |         |         |         |         |         |      | 7.1   | 7.4                   |
| WSW                     | 2.7   | 4.4   | 3.5    | 1.0     |         |         |         |         |         |         |      | 12.4  | 6.6                   |
| W                       | 3.5   | 3.3   | 3.5    | 1.0     |         |         |         |         |         |         |      | 14.2  | 6.2                   |
| WNW                     | .9    | .9    | 2.7    | 1.0     |         |         |         |         |         |         |      | 5.3   | 9.8                   |
| NW                      | 1.0   | .9    | 1.8    | .9      |         |         |         |         |         |         |      | 5.3   | 7.5                   |
| NNW                     | .9    | 1.8   | 3.5    |         |         |         |         |         |         |         |      | 6.2   | 6.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 18.6  |                       |
|                         | 14.2  | 20.4  | 35.4   | 11.5    |         |         |         |         |         |         |      | 100.0 | 5.9                   |

TOTAL NUMBER OF OBSERVATIONS

113

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

STATION NAME

YEARS

FEB

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .9    | 6.2   | 3.5    | 2.7     |         |         |         |         |         |         |      | 13.3  | 7.5                   |
| NNE                     |       | 1.8   | 2.7    | .9      |         |         |         |         |         |         |      | 5.3   | 7.5                   |
| NE                      |       | .9    | 1.8    | .9      |         |         |         |         |         |         |      | 3.5   | 8.8                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      | .9    | 8.0                   |
| E                       | .9    | .9    |        | .9      |         |         |         |         |         |         |      | 2.7   | 6.0                   |
| ESE                     | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 2.0                   |
| SE                      | .9    | 1.8   |        |         |         |         |         |         |         |         |      | 2.7   | 4.0                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       | 2.7   | .9     |         |         | .9      |         |         |         |         |      | 4.4   | 9.6                   |
| SSW                     |       | 1.8   | 1.8    | .9      |         |         |         |         |         |         |      | 4.4   | 8.0                   |
| SW                      | 1.8   | 2.7   | 3.3    |         |         |         |         |         |         |         |      | 9.7   | 6.4                   |
| WSW                     |       | 2.7   | 1.8    |         | .9      |         |         |         |         |         |      | 5.3   | 7.7                   |
| W                       | 1.8   | 4.4   | 2.7    | .9      | .9      |         |         |         |         |         |      | 10.6  | 6.8                   |
| WNW                     | .9    | 1.8   | 4.4    | .9      |         |         |         |         |         |         |      | 6.0   | 7.6                   |
| NW                      | .9    | 1.8   | 1.8    |         |         |         |         |         |         |         |      | 4.4   | 6.0                   |
| NNW                     | .9    | 2.7   | .9     | .9      |         |         |         |         |         |         |      | 5.3   | 6.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 18.6  |                       |
|                         | 9.7   | 31.9  | 28.3   | 8.8     | 1.8     | .9      |         |         |         |         |      | 100.0 | 5.8                   |

TOTAL NUMBER OF OBSERVATIONS

113

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWS

73-76

STATION NAME

YEARS

FEB

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.3   | 0.0   | 1.0    | 1.0     | 1.0     |         |         |         |         |         |      | 16.0  | 7.0                   |
| NNE                     | 1.0   | 1.0   | 1.0    | 1.0     |         |         |         |         |         |         |      | 7.1   | 7.0                   |
| NE                      | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 2.0                   |
| ENE                     | 1.0   | 1.0   | 1.0    | .9      |         |         |         |         |         |         |      | 6.2   | 6.4                   |
| E                       | .9    |       | .9     |         |         |         |         |         |         |         |      | 1.0   | 5.5                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       | .9    | .9     |         |         |         |         |         |         |         |      | 1.0   | 6.5                   |
| S                       |       | 1.0   |        | .9      |         |         |         |         |         |         |      | 2.7   | 8.7                   |
| SSW                     |       | 2.7   | 1.0    |         | .9      |         |         |         |         |         |      | 5.3   | 8.3                   |
| SW                      | 1.0   | 1.0   | .9     | .9      |         |         |         |         |         |         |      | 5.3   | 6.3                   |
| WSW                     | 2.7   | 1.0   | 2.7    | 2.7     |         |         |         |         |         |         |      | 9.7   | 7.6                   |
| W                       | 3.3   | 1.0   | 3.5    |         | 1.0     |         |         |         |         |         |      | 10.6  | 7.4                   |
| WNW                     | 5.3   | 1.0   | 2.7    |         |         |         |         |         |         |         |      | 9.7   | 4.4                   |
| NW                      | .9    | 1.0   | 1.0    |         |         |         |         |         |         |         |      | 4.4   | 5.6                   |
| NNW                     | .9    |       | 1.0    |         |         |         |         |         |         |         |      | 2.7   | 6.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.0  |                       |
|                         | 23.9  | 25.7  | 22.1   | 0.0     | 4.4     |         |         |         |         |         |      | 100.0 | 5.7                   |

TOTAL NUMBER OF OBSERVATIONS

113

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 5.3   | 2.7   | 1.8    | 4.4     | .9      |         |         |         |         |         |      | 15.0  | 7.9                   |
| NNE                     | .9    | 4.4   | 1.8    |         |         |         |         |         |         |         |      | 7.1   | 5.4                   |
| NE                      |       | 5.3   | 4.4    | .9      |         |         |         |         |         |         |      | 10.6  | 7.5                   |
| ENE                     | .9    | 1.8   | 3.5    | .9      |         |         |         |         |         |         |      | 7.1   | 7.3                   |
| E                       | 1.8   | .9    |        |         |         |         |         |         |         |         |      | 2.7   | 2.7                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       | .9    |        |         |         |         |         |         |         |         |      | .9    | 4.0                   |
| SSE                     |       |       | .9     | 1.8     |         |         |         |         |         |         |      | 2.7   | 11.0                  |
| S                       | 2.7   |       | .9     |         |         |         |         |         |         |         |      | 3.5   | 3.5                   |
| SSW                     |       | .9    | 1.8    | 1.8     | .9      |         |         |         |         |         |      | 5.3   | 12.0                  |
| SW                      |       | 4.4   | 4.4    |         |         | .9      |         |         |         |         |      | 9.7   | 8.0                   |
| WSW                     |       |       | 2.7    | 1.8     |         |         |         |         |         |         |      | 4.4   | 10.2                  |
| W                       |       | 7.1   | 3.5    | .9      | .9      |         |         |         |         |         |      | 12.4  | 6.9                   |
| WNW                     |       | .9    | 3.5    | 1.8     | .9      |         |         |         |         |         |      | 7.1   | 10.5                  |
| NW                      | .9    |       | 1.8    |         |         |         |         |         |         |         |      | 2.7   | 6.7                   |
| NNW                     |       |       |        | 1.8     |         |         |         |         |         |         |      | 1.8   | 15.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 7.1   |                       |
|                         | 12.4  | 29.2  | 31.0   | 15.9    | 3.5     | .9      |         |         |         |         |      | 100.0 | 7.3                   |

TOTAL NUMBER OF OBSERVATIONS

113



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION NAME  
CHARLESTON, SOUTH CAROLINA NAUSE

73-76

YEARS

FEB

MONTH

13

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.7   | 3.5    | 3.5     | .9      |         |         |         |         |         |      | 10.6  | 9.3                   |
| NNE                     | .9    | 1.8   | 1.8    |         |         |         |         |         |         |         |      | 4.4   | 6.4                   |
| NE                      | 1.8   |       | .9     |         |         |         |         |         |         |         |      | 2.7   | 5.0                   |
| ENE                     |       | 1.8   | 3.5    |         |         |         |         |         |         |         |      | 5.3   | 7.5                   |
| E                       | .9    | .9    | 1.8    |         | .9      |         |         |         |         |         |      | 4.4   | 8.0                   |
| ESE                     |       |       | 1.8    |         |         |         |         |         |         |         |      | 1.8   | 9.0                   |
| SE                      |       |       | 2.7    |         |         |         |         |         |         |         |      | 2.7   | 8.0                   |
| SSE                     |       |       | 2.7    | .9      |         |         |         |         |         |         |      | 3.5   | 10.0                  |
| S                       |       | 3.5   | .9     | .9      |         |         |         |         |         |         |      | 5.3   | 6.7                   |
| SSW                     | .9    | 3.5   | 1.8    | 4.4     |         |         |         |         |         |         |      | 10.6  | 9.7                   |
| SW                      |       | 2.7   | 1.8    | 3.5     |         |         |         |         |         |         |      | 8.0   | 9.6                   |
| WSW                     |       | .9    | 2.7    | 5.3     | .9      |         |         |         |         |         |      | 9.7   | 11.7                  |
| W                       |       | 2.7   | 7.1    | 2.7     |         |         |         |         |         |         |      | 12.4  | 8.1                   |
| WNW                     |       | .9    | .9     | 1.8     |         |         |         |         |         |         |      | 3.5   | 10.3                  |
| NW                      | .9    |       | 2.7    |         |         |         |         |         |         |         |      | 3.5   | 6.8                   |
| NNW                     |       | .9    | 1.8    | 1.8     |         |         |         |         |         |         |      | 4.4   | 10.2                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 7.1   |                       |
|                         | 5.3   | 22.1  | 36.1   | 24.8    | 2.7     |         |         |         |         |         |      | 100.0 | 8.2                   |

TOTAL NUMBER OF OBSERVATIONS

113

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

CHARLESTON, SOUTH CAROLINA NWSE

72-75

YEARS

FEB

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

HMM

1234-18766

HMP

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .9    | .9    | 3.5    | 2.7     |         |         |         |         |         |         |      | 8.0   | 8.7                   |
| NNE                     |       |       |        | .9      |         |         |         |         |         |         |      | .9    | 12.0                  |
| NE                      |       |       | 1.8    |         |         |         |         |         |         |         |      | 1.8   | 9.0                   |
| ENE                     |       | 2.7   | .9     |         |         |         |         |         |         |         |      | 3.5   | 6.0                   |
| E                       |       | .9    | 2.7    | 2.7     |         |         |         |         |         |         |      | 6.2   | 10.3                  |
| ESE                     | .9    | 1.8   | 2.7    |         |         |         |         |         |         |         |      | 5.3   | 6.8                   |
| SE                      | .9    | .9    | 2.7    |         |         |         |         |         |         |         |      | 4.4   | 6.8                   |
| SSE                     |       | .9    | 6.2    | .9      |         |         |         |         |         |         |      | 8.0   | 8.2                   |
| S                       | .9    | 2.7   | 4.4    | 5.3     | .9      |         |         |         |         |         |      | 14.2  | 9.9                   |
| SSW                     |       | 1.8   | 2.7    | 5.3     | 1.8     |         |         |         |         |         |      | 11.5  | 11.5                  |
| SW                      |       | 1.8   | .9     | 2.7     |         |         |         |         |         |         |      | 5.3   | 10.0                  |
| WSW                     | .9    | .9    | 6.2    | 4.4     | .9      |         |         |         |         |         |      | 13.3  | 10.5                  |
| W                       | 2.7   |       | 3.5    | 4.4     |         |         |         |         |         |         |      | 10.6  | 9.0                   |
| WNW                     |       |       |        | 1.8     |         |         |         |         |         |         |      | 1.8   | 13.0                  |
| NW                      |       |       |        | 1.8     |         |         |         |         |         |         |      | 1.8   | 13.0                  |
| NNW                     |       |       | 1.8    | .9      |         |         |         |         |         |         |      | 2.7   | 9.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .9    |                       |
|                         | 7.1   | 15.0  | 39.8   | 33.6    | 3.5     |         |         |         |         |         |      | 100.0 | 9.4                   |

TOTAL NUMBER OF OBSERVATIONS

113

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NW50

73-76

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

NNNN

5702 SURFACE WINDS JAN 68

1234-18766

NNNN

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .9    | .9    |        | 1.0     |         |         |         |         |         |         |      | 3.5   | 9.3                   |
| NNE                     | .9    | .9    | 1.8    |         |         |         |         |         |         |         |      | 3.5   | 6.3                   |
| NE                      | .9    | .9    |        | .9      |         |         |         |         |         |         |      | 1.8   | 9.5                   |
| ENE                     | .9    |       |        | 1.0     |         |         |         |         |         |         |      | 2.7   | 9.3                   |
| E                       | 1.8   | 3.3   | 1.8    | .9      |         |         |         |         |         |         |      | 9.7   | 5.8                   |
| ESE                     | 2.7   | .9    | .9     |         |         |         |         |         |         |         |      | 4.4   | 4.4                   |
| SE                      | 1.8   | .9    |        |         |         |         |         |         |         |         |      | 2.7   | 3.3                   |
| SSE                     | .9    | 1.8   | 1.8    |         |         |         |         |         |         |         |      | 4.4   | 6.2                   |
| S                       | 3.5   | 1.8   | 1.8    | 3.5     |         |         |         |         |         |         |      | 10.6  | 7.3                   |
| SSW                     |       | 3.5   | 2.7    |         | .9      |         |         |         |         |         |      | 7.1   | 8.3                   |
| SW                      | .9    | 3.3   | 6.2    | 3.5     |         |         |         |         |         |         |      | 14.2  | 8.3                   |
| WSW                     | 1.8   | 2.7   | 5.3    | .9      |         |         |         |         |         |         |      | 10.6  | 6.4                   |
| W                       | 2.7   | 3.5   | 1.8    | .9      |         |         |         |         |         |         |      | 9.7   | 6.9                   |
| WNW                     | .9    |       | 3.5    | 1.8     |         |         |         |         |         |         |      | 6.2   | 8.3                   |
| NW                      | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 3.0                   |
| NNW                     |       | 1.8   | 1.8    |         |         |         |         |         |         |         |      | 3.5   | 6.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.4   |                       |
|                         | 20.4  | 28.3  | 29.2   | 13.9    | 1.0     |         |         |         |         |         |      | 100.0 | 6.7                   |

TOTAL NUMBER OF OBSERVATIONS

113

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13753  
STATION

CHARLESTON, SOUTH CAROLINA

NUSED

73-76

YEARS

FEB  
MONTH

22

HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .9    | 1.8   |        | 1.8     |         |         |         |         |         |         |      | 4.4   | 7.2                   |
| NNE                     |       | 1.8   |        | 1.8     |         |         |         |         |         |         |      | 3.5   | 9.8                   |
| NE                      | .9    |       | .9     |         |         |         |         |         |         |         |      | 1.8   | 4.5                   |
| ENE                     | .9    | 1.8   | .9     |         |         |         |         |         |         |         |      | 3.5   | 5.5                   |
| E                       | 1.8   | .9    | .9     | .9      |         |         |         |         |         |         |      | 4.4   | 7.2                   |
| ESE                     |       |       |        | .9      |         |         |         |         |         |         |      | .9    | 11.0                  |
| SE                      | .9    |       |        |         |         |         |         |         |         |         |      | .9    | 2.0                   |
| SSE                     | .9    |       |        | .9      |         |         |         |         |         |         |      | 1.8   | 7.5                   |
| S                       | 1.8   | 1.8   | .9     | 1.8     |         |         |         |         |         |         |      | 6.2   | 7.3                   |
| SSW                     | .9    | 1.8   | 1.8    | 1.8     |         |         |         |         |         |         |      | 6.2   | 7.7                   |
| SW                      | 2.7   | 4.4   | 3.5    | .9      |         |         |         |         |         |         |      | 11.5  | 6.0                   |
| WSW                     | .9    | 4.4   | 5.3    | .9      |         |         |         |         |         |         |      | 11.5  | 7.0                   |
| W                       | 1.8   | 2.7   | 2.7    | 1.8     | .9      |         |         |         |         |         |      | 9.7   | 7.7                   |
| WNW                     | 1.8   | .9    | 1.8    | 2.7     |         |         |         |         |         |         |      | 7.1   | 8.8                   |
| NW                      |       | .9    | 3.5    |         |         |         |         |         |         |         |      | 4.4   | 7.6                   |
| NNW                     |       | 1.8   | .9     |         |         |         |         |         |         |         |      | 2.7   | 5.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 19.5  |                       |
|                         | 15.9  | 24.8  | 23.0   | 15.9    | .9      |         |         |         |         |         |      | 100.0 | 5.8                   |

TOTAL NUMBER OF OBSERVATIONS

113



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA

73-76

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

MMMM

5702 SURFACE WINDS JAN 68

1234-18766

HHH

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.5   | 3.1   | 2.4    | 2.3     | .4      |         |         |         |         |         |      | 9.8   | 7.9                   |
| NNE                     | .7    | 1.3   | 1.2    | .7      |         |         |         |         |         |         |      | 4.1   | 6.9                   |
| NE                      | .4    | 1.0   | 1.3    | .6      |         |         |         |         |         |         |      | 3.3   | 7.6                   |
| ENE                     | .8    | 1.3   | 1.5    | .7      |         |         |         |         |         |         |      | 4.3   | 7.1                   |
| E                       | 1.0   | 1.2   | 1.1    | .7      | .1      |         |         |         |         |         |      | 4.2   | 6.8                   |
| ESE                     | .8    | .3    | .7     | .1      |         |         |         |         |         |         |      | 1.9   | 5.8                   |
| SE                      | .6    | .6    | .7     |         |         |         |         |         |         |         |      | 1.8   | 5.4                   |
| SSE                     | .2    | .4    | 1.5    | .7      |         |         |         |         |         |         |      | 2.9   | 8.5                   |
| S                       | 1.1   | 1.8   | 1.7    | 1.5     | .1      | .1      |         |         |         |         |      | 6.3   | 8.1                   |
| SSW                     | .2    | 2.3   | 2.2    | 1.8     | .6      |         |         |         |         |         |      | 7.1   | 9.4                   |
| SW                      | 1.0   | 2.7   | 3.5    | 1.5     |         | .1      |         |         |         |         |      | 8.8   | 7.7                   |
| WSW                     | 1.1   | 2.2   | 3.8    | 2.2     | .3      |         |         |         |         |         |      | 9.6   | 8.4                   |
| W                       | 2.0   | 3.4   | 3.5    | 1.7     | .7      |         |         |         |         |         |      | 11.3  | 7.4                   |
| WNW                     | 1.1   | .9    | 2.4    | 1.5     | .1      |         |         |         |         |         |      | 6.1   | 8.3                   |
| NW                      | .8    | .7    | 1.7    | .3      |         |         |         |         |         |         |      | 3.4   | 7.0                   |
| NNW                     | .3    | 1.1   | 1.5    | .7      |         |         |         |         |         |         |      | 3.7   | 7.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 11.6  |                       |
|                         | 13.6  | 24.7  | 30.9   | 16.9    | 2.3     | .2      |         |         |         |         |      | 100.0 | 6.9                   |

TOTAL NUMBER OF OBSERVATIONS

904

MMMM

5702 SURFACE WINDS JAN 68

1234-18766

HHH

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)13758  
STATION

CHARLESTON, SOUTH CAROLINA NNSD 73-75

YEARS

MAR  
MONTH01  
HOURS (L.S.T.)ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 4.0   |        | 1.6     |         |         |         |         |         |         |      | 6.5   | 6.5                   |
| NNE                     | .8    |       | .8     | .8      |         |         |         |         |         |         |      | 2.4   | 7.7                   |
| NE                      |       | 1.6   | .8     | .8      |         |         |         |         |         |         |      | 3.2   | 8.0                   |
| ENE                     |       | 2.4   | 3.2    | .8      |         |         |         |         |         |         |      | 6.5   | 7.6                   |
| E                       |       | 1.6   |        |         |         |         |         |         |         |         |      | 1.6   | 4.5                   |
| ESE                     | 1.6   | 1.6   |        |         |         |         |         |         |         |         |      | 3.2   | 4.3                   |
| SE                      | .8    |       |        | .8      |         |         |         |         |         |         |      | 1.6   | 9.0                   |
| SSE                     |       | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 6.8                   |
| S                       | 1.6   | 1.6   | 2.4    | .8      |         |         |         |         |         |         |      | 6.5   | 6.8                   |
| SSW                     | .8    | 5.6   | 1.6    | 2.4     |         |         |         |         |         |         |      | 10.5  | 7.0                   |
| SW                      | .8    | 5.6   | 1.6    |         |         |         |         |         |         |         |      | 8.1   | 5.3                   |
| WSW                     | 1.6   | 3.2   | 1.6    | 1.6     | .8      |         |         |         |         |         |      | 8.9   | 7.7                   |
| W                       | 3.2   | 4.0   | 4.8    |         |         |         |         |         |         |         |      | 12.1  | 5.6                   |
| WNW                     | 1.6   | 2.4   | 4.0    | .8      |         |         |         |         |         |         |      | 8.9   | 7.0                   |
| NW                      | 1.6   |       | .8     | .8      | .8      |         |         |         |         |         |      | 4.0   | 8.8                   |
| NNW                     |       |       |        |         | .8      |         |         |         |         |         |      | .8    | 13.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 12.1  |                       |
|                         | 15.3  | 35.5  | 23.4   | 11.3    | 2.4     |         |         |         |         |         |      | 100.0 | 6.0                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758 STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

YEARS

MAR

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 1.6   | .8     | 1.6     |         |         |         |         |         |         |      | 4.8   | 0.2                   |
| NNE                     | 4.0   | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 8.1   | 4.7                   |
| NE                      | 1.6   | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 5.6   | 6.4                   |
| ENE                     | 2.4   | 1.6   | .8     | .8      |         |         |         |         |         |         |      | 5.6   | 5.0                   |
| E                       | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 2.5                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     | 1.6   |       | .8     |         |         |         |         |         |         |         |      | 2.4   | 4.0                   |
| S                       |       | .8    | 4.0    | .8      |         |         |         |         |         |         |      | 5.6   | 9.1                   |
| SSW                     | .8    | 4.0   | 3.2    | .8      |         |         |         |         |         |         |      | 8.9   | 7.1                   |
| SW                      | .8    | .8    | 2.4    | 2.4     |         |         |         |         |         |         |      | 6.5   | 9.6                   |
| WSW                     | 1.6   | 2.4   | 3.2    | .8      |         |         |         |         |         |         |      | 8.1   | 6.6                   |
| W                       | 3.2   | 3.2   | 4.8    |         |         |         |         |         |         |         |      | 11.3  | 5.6                   |
| WNW                     | 1.6   | 2.4   | 1.6    | 3.2     |         |         |         |         |         |         |      | 8.9   | 8.4                   |
| NW                      |       | .8    | 3.2    |         |         |         |         |         |         |         |      | 4.0   | 7.8                   |
| NNW                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 8.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 17.7  |                       |
|                         | 19.4  | 21.8  | 29.8   | 11.3    |         |         |         |         |         |         |      | 100.0 | 5.6                   |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

19758  
STATION

CHARLESTON, SOUTH CAROLINA NWSO 73-76

STATION NAME

YEARS

MAR  
MONTH07  
HOURS (L.S.T.)ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 4.0   | 5.0    | .8      | .8      |         |         |         |         |         |      | 13.7  | 7.1                   |
| NNE                     | .8    | 1.6   | 4.0    | 2.4     | .8      |         |         |         |         |         |      | 9.7   | 8.8                   |
| NE                      | .8    | 1.6   | .8     | .8      |         |         |         |         |         |         |      | 4.0   | 6.0                   |
| ENE                     |       |       |        |         |         |         | .8      |         |         |         |      | .8    | 30.0                  |
| E                       | 1.6   | 2.4   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.8                   |
| ESE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| SE                      | 1.6   |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.0                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | .8    | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 4.0   | 6.0                   |
| SSW                     | .8    | 3.2   | 1.6    |         |         |         |         |         |         |         |      | 5.6   | 6.3                   |
| SW                      | 1.6   | 3.2   | 4.0    | .8      |         |         |         |         |         |         |      | 10.5  | 7.5                   |
| WSW                     | 1.6   | 3.2   | 2.4    | 1.6     |         |         |         |         |         |         |      | 8.9   | 7.2                   |
| W                       | 2.4   | 2.4   | 7.3    | .8      |         |         |         |         |         |         |      | 12.9  | 7.3                   |
| WNW                     | .8    | 3.2   | .8     | 1.6     |         |         |         |         |         |         |      | 6.5   | 6.6                   |
| NW                      |       | .8    | 2.4    |         |         |         |         |         |         |         |      | 3.2   | 6.5                   |
| NNW                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 6.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 11.3  |                       |
|                         | 16.1  | 26.2  | 32.3   | 8.9     | 2.4     |         | .8      |         |         |         |      | 100.0 | 6.3                   |

TOTAL NUMBER OF OBSERVATIONS

124



# 2 5702 SURFACE WINDS JAN 68

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13753

CHARLESTON, SOUTH CAROLINA NWSE 73-76

MAR

YEARS

ALL WEATHER

10

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.6   | 1.6    | 4.0     |         |         |         |         |         |         |      | 7.3   | 10.0                  |
| NNE                     |       | 2.4   | 4.0    | .8      |         |         |         |         |         |         |      | 7.3   | 8.4                   |
| NE                      |       | 2.4   | 4.0    | 1.6     | .8      |         |         |         |         |         |      | 8.9   | 9.5                   |
| ENE                     | .8    | 4.0   |        | .8      |         |         |         |         |         |         |      | 5.6   | 5.9                   |
| E                       |       | .8    | 2.4    |         |         |         |         |         |         |         |      | 3.2   | 8.0                   |
| ESE                     | .8    | 1.6   | .8     |         |         |         |         |         |         |         |      | 3.2   | 5.5                   |
| SE                      | 3.2   | .8    | 1.6    |         |         |         |         |         |         |         |      | 5.6   | 4.6                   |
| SSE                     |       | .8    | .8     | 1.6     |         |         |         |         |         |         |      | 3.2   | 9.0                   |
| S                       | .8    |       |        | 1.6     | .8      |         |         |         |         |         |      | 3.2   | 11.3                  |
| SSW                     |       | 1.6   | 2.4    | 1.6     | .8      |         |         |         |         |         |      | 7.3   | 11.9                  |
| SW                      | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.3                   |
| WSW                     | .8    | 3.2   | 4.0    | 4.0     |         |         |         |         |         |         |      | 12.1  | 9.1                   |
| W                       | 1.6   | 4.0   | 3.2    | 4.0     |         |         |         |         |         |         |      | 12.9  | 8.1                   |
| WNW                     | .8    | 2.4   | 2.4    | 1.6     |         |         |         |         |         |         |      | 5.6   | 6.4                   |
| NW                      | .8    |       | 1.6    |         |         |         |         |         |         |         |      | 2.4   | 9.7                   |
| NNW                     |       |       | 1.6    |         |         |         |         |         |         |         |      | 1.6   | 9.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 8.1   |                       |
|                         | 10.5  | 26.6  | 29.8   | 21.8    | 2.4     | .8      |         |         |         |         |      | 100.0 | 7.7                   |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13759  
STATION

CHARLESTON, SOUTH CAROLINA NAUSE 73-76

STATION NAME

YEARS

MAR  
MONTH

13

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

HHMM

HHMM

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 4.0   |        | 2.4     |         |         |         |         |         |         |      | 6.5   | 7.8                   |
| NNE                     | .8    | 4.0   |        |         |         |         |         |         |         |         |      | 4.8   | 5.0                   |
| NE                      | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.7                   |
| ENE                     | 1.6   | 1.6   | 1.6    |         | .8      |         |         |         |         |         |      | 5.6   | 6.9                   |
| E                       |       |       | 1.6    | .8      |         |         |         |         |         |         |      | 2.4   | 9.7                   |
| ESE                     | .8    | 1.6   | 4.0    | .8      |         |         |         |         |         |         |      | 7.3   | 7.3                   |
| SE                      | .8    | 1.6   | 2.4    | 1.6     |         |         |         |         |         |         |      | 6.5   | 7.9                   |
| SSE                     |       | 2.4   | 4.0    | 2.4     |         |         |         |         |         |         |      | 8.9   | 8.5                   |
| S                       |       | .8    | 3.2    | .8      |         |         |         |         |         |         |      | 4.8   | 8.3                   |
| SSW                     |       |       | 1.6    | 3.2     | 1.6     |         |         |         |         |         |      | 6.5   | 13.9                  |
| SW                      |       |       | 1.6    | 4.0     | .8      |         |         |         |         |         |      | 6.5   | 13.5                  |
| WSW                     |       | .8    | 2.4    | 3.2     | 4.0     |         |         |         |         |         |      | 10.5  | 14.2                  |
| W                       | .8    | 2.4   | 5.6    | 3.2     | .8      |         |         |         |         |         |      | 12.9  | 9.2                   |
| WNW                     |       | 1.6   | 1.6    | 2.4     |         |         |         |         |         |         |      | 5.6   | 9.6                   |
| NW                      | .8    |       | 1.6    |         |         |         |         |         |         |         |      | 2.4   | 7.0                   |
| NNW                     |       |       | 2.4    | .8      |         |         |         |         |         |         |      | 3.2   | 10.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 3.2   |                       |
|                         | 6.5   | 21.8  | 34.7   | 25.8    | 8.1     |         |         |         |         |         |      | 100.0 | 9.2                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1975B

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

MAR

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.6   | .8     |         |         |         |         |         |         |         |      | 2.4   | 7.0                   |
| NNE                     |       | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 4.0   | 6.6                   |
| NE                      |       |       | .8     | .8      |         |         |         |         |         |         |      | 1.6   | 11.5                  |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       | 1.6   | 1.6    | 4.8     |         |         |         |         |         |         |      | 8.1   | 10.2                  |
| ESE                     | .8    | 2.4   | 4.8    |         |         |         |         |         |         |         |      | 8.1   | 6.6                   |
| SE                      |       |       | 4.8    |         |         |         |         |         |         |         |      | 4.8   | 8.7                   |
| SSE                     |       | 2.4   | 8.1    | .8      |         |         |         |         |         |         |      | 11.3  | 7.9                   |
| S                       | .8    | .8    | 4.0    | 6.5     |         |         |         |         |         |         |      | 12.1  | 10.2                  |
| SSW                     |       |       | 1.6    | 4.0     | 1.6     |         |         |         |         |         |      | 7.3   | 13.4                  |
| SW                      | .8    |       | 2.4    | 6.5     | 1.6     |         |         |         |         |         |      | 11.3  | 12.6                  |
| WSW                     |       | 1.6   | .8     | 4.0     | .8      |         |         |         |         |         |      | 7.3   | 12.1                  |
| W                       | .8    | .8    | 2.4    | 4.8     | 1.6     |         |         |         |         |         |      | 10.5  | 11.8                  |
| WNW                     | .8    |       | .8     | 1.6     |         |         |         |         |         |         |      | 3.2   | 10.5                  |
| NW                      |       |       | 1.6    |         |         |         |         |         |         |         |      | 1.6   | 8.0                   |
| NNW                     | .8    | 1.6   | .8     | .8      |         |         |         |         |         |         |      | 4.0   | 6.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 2.4   |                       |
|                         | 4.8   | 14.5  | 37.9   | 34.7    | 5.6     |         |         |         |         |         |      | 100.0 | 9.8                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

STATION NAME

YEARS

MAR  
MONTHALL WEATHER  
CLASS

HOURS (L.S.T.)

19

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | .8   | .8   |      | .8    |       |       |       |       |       |       |     | 2.4   | 7.7                   |
| NNE                     | .8   | .8   |      |       |       |       |       |       |       |       |     | 1.6   | 3.5                   |
| NE                      |      |      | .8   |       |       |       |       |       |       |       |     | .8    | 7.0                   |
| ENE                     |      |      | 1.6  |       |       |       |       |       |       |       |     | 1.6   | 8.5                   |
| E                       | 5.6  | 4.8  | 4.0  |       |       |       |       |       |       |       |     | 14.5  | 5.1                   |
| ESE                     | 1.6  | 2.4  | 2.4  |       |       |       |       |       |       |       |     | 6.5   | 5.5                   |
| SE                      | 1.6  | 3.2  | 2.4  |       |       |       |       |       |       |       |     | 7.3   | 5.4                   |
| SSE                     | .8   | 2.4  | 1.6  |       |       |       |       |       |       |       |     | 4.6   | 5.7                   |
| S                       | 2.4  | .8   | 6.5  | 1.6   | .8    |       |       |       |       |       |     | 12.1  | 8.5                   |
| SSW                     | .8   | 3.2  | 4.0  | 1.6   |       |       |       |       |       |       |     | 9.7   | 7.6                   |
| SW                      |      | 4.0  | 1.6  | 1.6   | .8    |       |       |       |       |       |     | 8.1   | 8.4                   |
| WSW                     | .8   | 4.0  | 1.6  | 3.2   |       |       |       |       |       |       |     | 9.7   | 6.1                   |
| W                       | .8   | .8   | 4.8  | 3.2   |       |       |       |       |       |       |     | 9.7   | 9.2                   |
| WNW                     |      | .8   | 2.4  |       |       |       |       |       |       |       |     | 3.2   | 8.3                   |
| NW                      |      | .8   |      | .8    |       |       |       |       |       |       |     | 1.6   | 8.5                   |
| NNW                     |      | 1.6  | .8   |       |       |       |       |       |       |       |     | 2.4   | 5.3                   |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     | 4.0   |                       |
|                         | 16.1 | 30.6 | 34.7 | 12.9  | 1.6   |       |       |       |       |       |     | 100.0 | 6.8                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAR

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 1.6   | .8     |         |         |         |         |         |         |         |      | 3.2   | 4.5                   |
| NNE                     | .8    |       |        | .8      |         |         |         |         |         |         |      | 1.6   | 9.0                   |
| NE                      | .8    | 3.2   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.7                   |
| ENE                     | 2.4   | .8    | .8     | .8      |         |         |         |         |         |         |      | 4.8   | 5.7                   |
| E                       | 1.6   | 3.2   | 1.6    |         |         |         |         |         |         |         |      | 6.5   | 5.3                   |
| ESE                     | .8    | 1.6   |        |         |         |         |         |         |         |         |      | 2.4   | 4.0                   |
| SE                      | 2.4   | 2.4   |        |         |         |         |         |         |         |         |      | 4.8   | 3.7                   |
| SSE                     | 2.4   | .8    | .8     |         | .8      |         |         |         |         |         |      | 4.8   | 6.7                   |
| S                       | 4.8   | 2.4   | 1.6    | .8      | .8      |         |         |         |         |         |      | 10.5  | 6.7                   |
| SSW                     | .8    | 2.4   | 1.6    | 2.4     |         |         |         |         |         |         |      | 7.3   | 7.9                   |
| SW                      | .8    | 4.8   | 2.4    |         |         |         |         |         |         |         |      | 8.1   | 5.7                   |
| WSW                     | .8    | 3.2   | 4.0    | 1.6     | .8      |         |         |         |         |         |      | 10.5  | 8.5                   |
| W                       | 1.6   | 4.0   | 5.6    | 1.6     |         |         |         |         |         |         |      | 12.9  | 7.0                   |
| WNW                     |       | .8    | 2.4    | 1.6     |         |         |         |         |         |         |      | 4.8   | 9.5                   |
| NW                      |       |       | .8     | 1.6     |         |         |         |         |         |         |      | 2.4   | 14.0                  |
| NNW                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 8.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 9.7   |                       |
|                         | 21.0  | 31.5  | 24.2   | 9.7     | 4.0     |         |         |         |         |         |      | 100.0 | 6.1                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

STATION NAME

YEARS

MAR  
MONTHALL WEATHER  
CLASSALL  
HOURS (L.S.T.)

NNNN

5702 SURFACE WINDS JAN 68

1234-18766

NNN

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .7    | 2.4   | 1.2    | 1.4     | .1      |         |         |         |         |         |      | 5.8   | 7.5                   |
| NNE                     | 1.0   | 1.5   | 1.7    | .6      | .1      |         |         |         |         |         |      | 4.9   | 6.9                   |
| NE                      | .5    | 1.4   | 1.3    | .6      | .1      |         |         |         |         |         |      | 3.9   | 7.3                   |
| ENE                     | .9    | 1.3   | 1.0    | .4      | .1      |         | .1      |         |         |         |      | 3.8   | 7.0                   |
| E                       | 1.2   | 1.9   | 1.5    | .7      |         |         |         |         |         |         |      | 5.3   | 6.5                   |
| ESE                     | .9    | 1.4   | 1.5    | .1      |         |         |         |         |         |         |      | 3.9   | 5.9                   |
| SE                      | 1.3   | 1.0   | 1.4    | .3      |         |         |         |         |         |         |      | 4.0   | 6.0                   |
| SSE                     | .6    | 1.3   | 2.2    | .6      | .1      |         |         |         |         |         |      | 4.8   | 7.3                   |
| S                       | 1.4   | 1.1   | 2.9    | 1.6     | .3      |         |         |         |         |         |      | 7.4   | 8.4                   |
| SSW                     | .5    | 2.5   | 2.2    | 2.0     | .5      | .1      |         |         |         |         |      | 7.9   | 9.2                   |
| SW                      | .7    | 2.4   | 2.1    | 1.9     | .5      |         |         |         |         |         |      | 7.7   | 8.8                   |
| WSW                     | .9    | 2.7   | 2.5    | 2.5     | .8      |         |         |         |         |         |      | 9.5   | 9.2                   |
| W                       | 1.8   | 2.7   | 4.3    | 2.2     | .3      |         |         |         |         |         |      | 11.9  | 7.9                   |
| WNW                     | .7    | 1.7   | 2.0    | 1.4     |         |         |         |         |         |         |      | 5.8   | 8.0                   |
| NW                      | .4    | .3    | 1.3    | .4      | .3      |         |         |         |         |         |      | 2.7   | 8.7                   |
| NNW                     | .1    | .5    | 1.0    | .2      | .1      |         |         |         |         |         |      | 1.9   | 8.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 8.6   |                       |
|                         | 13.7  | 26.3  | 30.6   | 17.0    | 3.3     | .1      | .1      |         |         |         |      | 100.0 | 7.2                   |

TOTAL NUMBER OF OBSERVATIONS

992

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

CHARLESTON, SOUTH CAROLINA

73-76

YEARS

APR

MONTH

01

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    |       | 2.5    | 1.7     |         |         |         |         |         |         |      | 5.0   | 3.7                   |
| NNE                     | .8    | .6    |        |         |         |         |         |         |         |         |      | 1.7   | 3.0                   |
| NE                      | 2.5   | 2.5   |        |         |         |         |         |         |         |         |      | 5.0   | 3.8                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       | 2.5   |       | .8     |         |         |         |         |         |         |         |      | 3.3   | 4.0                   |
| ESE                     |       | .8    | .6     |         |         |         |         |         |         |         |      | 1.7   | 6.0                   |
| SE                      | 2.5   |       |        |         |         |         |         |         |         |         |      | 2.5   | 2.0                   |
| SSE                     | .8    | 1.7   | .8     |         |         |         |         |         |         |         |      | 3.3   | 5.5                   |
| S                       | 3.3   | 5.0   | 2.5    | .6      |         |         |         |         |         |         |      | 11.7  | 5.4                   |
| SSW                     | .8    | 2.5   | 2.5    | 1.7     | .6      |         |         |         |         |         |      | 6.3   | 8.7                   |
| SW                      | .6    | 3.3   | 4.2    |         |         |         |         |         |         |         |      | 6.3   | 5.8                   |
| WSW                     | 1.7   | 2.5   | 5.0    | 2.5     |         |         |         |         |         |         |      | 11.7  | 7.6                   |
| W                       | 2.5   | 2.5   | 6.7    | 1.7     |         |         |         |         |         |         |      | 13.3  | 7.1                   |
| WNW                     | .8    | 1.7   | .8     |         |         |         |         |         |         |         |      | 3.3   | 5.0                   |
| NW                      | .8    |       | .6     |         |         |         |         |         |         |         |      | 1.7   | 4.5                   |
| NNW                     | .6    |       |        | .8      |         |         |         |         |         |         |      | 1.7   | 6.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 17.5  |                       |
|                         | 21.7  | 23.3  | 27.5   | 9.2     | .8      |         |         |         |         |         |      | 100.0 | 5.2                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

APR  
MONTH04  
HOURS (L.S.T.)ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | 2.5   | 1.7    | .8      | .8      |         |         |         |         |         |      | 7.5   | 7.1                   |
| NNE                     | .8    | 3.3   | 2.5    | 1.7     |         |         |         |         |         |         |      | 8.3   | 7.1                   |
| NE                      | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 3.3                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| ESE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 7.0                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     | .8    | .8    | 1.7    |         |         |         |         |         |         |         |      | 3.3   | 7.0                   |
| S                       | 2.5   | 1.7   |        |         |         |         |         |         |         |         |      | 4.2   | 3.2                   |
| SSW                     | 3.3   | 3.3   | 2.5    | 1.7     |         |         |         |         |         |         |      | 10.8  | 6.5                   |
| SW                      | 1.7   | 2.5   | .8     |         |         |         |         |         |         |         |      | 5.0   | 4.3                   |
| WSW                     | 1.7   | 4.2   | 4.2    | 2.5     |         |         |         |         |         |         |      | 12.5  | 7.7                   |
| W                       | .8    | 3.3   | 5.0    | .8      |         |         |         |         |         |         |      | 10.0  | 6.8                   |
| WNW                     | 1.7   | 1.7   | 1.7    | 2.5     |         |         |         |         |         |         |      | 7.5   | 7.9                   |
| NW                      | 1.7   | .8    | .8     |         |         |         |         |         |         |         |      | 3.3   | 4.8                   |
| NNW                     | 1.7   | .8    | .8     | .8      |         |         |         |         |         |         |      | 4.2   | 5.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 19.2  |                       |
|                         | 20.0  | 26.7  | 22.5   | 10.8    | .8      |         |         |         |         |         |      | 100.0 | 5.2                   |

TOTAL NUMBER OF OBSERVATIONS

120



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13753  
STATION

CHARLESTON, SOUTH CAROLINA NUSEP 73-76

STATION NAME

YEARS

APR  
MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

NNNN

5702 SURFACE WINDS JAN 68

1234-18766

NNN

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.5   | 2.5   | 5.0    | 3.3     |         | .8      |         |         |         |         |      | 14.2  | 3.7                   |
| NNE                     | .8    | 3.3   | .8     |         |         |         |         |         |         |         |      | 5.0   | 5.5                   |
| NE                      | 1.7   | .8    | 1.7    |         |         |         |         |         |         |         |      | 4.2   | 4.8                   |
| ENE                     | 5.8   | .8    | .8     | .6      |         |         |         |         |         |         |      | 8.3   | 4.1                   |
| E                       |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 5.0                   |
| ESE                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.5                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| S                       | 1.7   |       | 1.7    | .8      |         |         |         |         |         |         |      | 4.2   | 7.2                   |
| SSW                     | 3.3   |       |        | 1.7     |         |         |         |         |         |         |      | 5.0   | 5.8                   |
| SW                      | .8    | 1.7   | 2.5    | .8      |         |         |         |         |         |         |      | 5.8   | 7.1                   |
| WSW                     | .8    | 2.5   | 5.8    | 1.7     |         |         |         |         |         |         |      | 10.8  | 7.9                   |
| W                       |       | 2.5   | 5.0    | 1.7     |         |         |         |         |         |         |      | 9.2   | 8.7                   |
| WNW                     | .8    | 1.7   | .8     | 1.7     |         |         |         |         |         |         |      | 5.0   | 7.8                   |
| NW                      |       | 1.7   | .8     |         |         |         |         |         |         |         |      | 2.5   | 5.7                   |
| NNW                     | 2.5   |       | 1.7    |         |         |         |         |         |         |         |      | 4.2   | 4.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 17.5  |                       |
|                         | 22.5  | 20.0  | 26.7   | 12.5    |         | .8      |         |         |         |         |      | 100.0 | 5.6                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

STATION NAME

YEARS

APR

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.5   | 2.5   | 1.7    | .8      | .8      |         |         |         |         |         |      | 8.3   | 7.3                   |
| NNE                     | .8    | .8    | 2.5    | .8      |         |         |         |         |         |         |      | 5.0   | 7.2                   |
| NE                      | .8    | 1.7   | 4.2    | 1.7     |         |         |         |         |         |         |      | 8.3   | 7.6                   |
| ENE                     |       | 3.3   |        | 2.5     |         |         |         |         |         |         |      | 5.8   | 8.6                   |
| E                       |       |       | 3.3    | .8      |         |         |         |         |         |         |      | 4.2   | 9.0                   |
| ESE                     |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.5   | 9.0                   |
| SE                      |       | 1.7   | 3.3    |         |         |         |         |         |         |         |      | 5.0   | 6.7                   |
| SSE                     | .8    | 2.5   | 2.5    |         |         |         |         |         |         |         |      | 5.8   | 6.3                   |
| S                       |       | .8    |        | .8      |         |         |         |         |         |         |      | 1.7   | 10.5                  |
| SSW                     | .8    |       | 2.5    | .8      |         |         |         |         |         |         |      | 4.2   | 8.0                   |
| SW                      |       | 2.5   | 2.5    | 2.5     |         | .8      |         |         |         |         |      | 8.3   | 10.9                  |
| WSW                     | .8    | .8    | 3.3    | 3.3     | 1.7     |         |         |         |         |         |      | 10.0  | 10.8                  |
| W                       | .8    | 4.2   | 5.8    | 5.0     |         | .8      |         |         |         |         |      | 16.7  | 9.5                   |
| WNW                     | .8    | 1.7   | 2.5    | .8      |         |         |         |         |         |         |      | 5.8   | 7.9                   |
| NW                      |       | .8    |        | 1.7     |         |         |         |         |         |         |      | 2.5   | 10.0                  |
| NNW                     |       | .8    |        | .8      |         |         |         |         |         |         |      | 1.7   | 9.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      | 4.2   |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 8.3   | 25.0  | 35.0   | 23.3    | 2.5     | 1.7     |         |         |         |         |      | 100.0 | 8.3                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13758 CHARLESTON, SOUTH CAROLINA NWSE 73-75 YEARS MONTH APR 13 HOURS (L.S.T.) 13

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | 1.7    |         |         |         |         |         |         |         |      | 1.7   | 8.5                   |
| NNE                     | .8    | .8    | .8     |         | .8      |         |         |         |         |         |      | 3.3   | 8.0                   |
| NE                      |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 5.0                   |
| ENE                     |       | .8    | 1.7    |         |         |         |         |         |         |         |      | 2.5   | 7.7                   |
| E                       |       | 1.7   | 4.2    | 2.5     | 1.7     |         |         |         |         |         |      | 10.0  | 11.3                  |
| ESE                     |       | .8    | 3.3    |         |         |         |         |         |         |         |      | 6.7   | 8.8                   |
| SE                      |       | 2.5   | 4.2    | .8      |         |         |         |         |         |         |      | 7.5   | 7.3                   |
| SSE                     |       | 2.5   | 6.3    | 3.3     |         |         |         |         |         |         |      | 14.2  | 8.9                   |
| S                       |       | .8    | 1.7    | 2.5     |         |         |         |         |         |         |      | 5.0   | 10.3                  |
| SSW                     |       | .8    | .8     | 2.5     | .8      |         |         |         |         |         |      | 5.0   | 12.8                  |
| SW                      |       |       | 1.7    | 1.7     | 1.7     |         |         |         |         |         |      | 5.0   | 13.2                  |
| WSW                     |       | .8    | 4.2    | 3.3     | .8      |         |         |         |         |         |      | 9.2   | 11.5                  |
| W                       |       | 3.3   | 4.2    | 6.7     | .8      |         |         |         |         |         |      | 15.0  | 10.0                  |
| WNW                     |       |       | 3.3    | 2.5     |         |         |         |         |         |         |      | 5.8   | 10.4                  |
| NW                      |       | 1.7   | 1.7    | 1.7     |         |         |         |         |         |         |      | 5.0   | 8.8                   |
| NNW                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.7   | 7.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      | .5    |                       |
| CALM                    | .8    | 19.2  | 45.0   | 27.5    | 6.7     |         |         |         |         |         |      | 100.0 | 9.7                   |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

19750

STATION

CHARLESTON, SOUTH CAROLINA

73-75

STATION NAME

YEARS

APR

MONTH

16

HOURS (LST.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.5   | 8.3                   |
| NNE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 8.0                   |
| NE                      |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 15.0                  |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       |       | 1.7   | 3.3    | 2.5     | .8      |         |         |         |         |         |      | 6.3   | 9.7                   |
| ESE                     |       | .8    | 2.5    | 2.5     |         |         |         |         |         |         |      | 5.8   | 9.4                   |
| SE                      |       | .8    | 8.3    |         |         |         |         |         |         |         |      | 9.2   | 7.8                   |
| SSE                     | .8    | .8    | 6.7    | 5.8     |         |         |         |         |         |         |      | 14.2  | 9.3                   |
| S                       | .8    |       | 6.7    | 4.2     |         |         |         |         |         |         |      | 11.7  | 10.1                  |
| SSW                     |       |       | 2.5    | 7.5     | 1.7     |         |         |         |         |         |      | 11.7  | 12.8                  |
| SW                      |       |       | 1.7    | 1.7     | .8      |         |         |         |         |         |      | 4.2   | 12.2                  |
| WSW                     |       | 1.7   | 1.7    | 2.5     | .8      |         |         |         |         |         |      | 6.7   | 11.0                  |
| W                       |       | .8    | 2.5    | 7.5     | .8      |         |         |         |         |         |      | 11.7  | 12.4                  |
| WNW                     |       |       | .8     | 2.5     |         |         |         |         |         |         |      | 3.3   | 11.5                  |
| NW                      |       |       | 1.7    |         |         |         |         |         |         |         |      | 1.7   | 8.5                   |
| NNW                     |       | 2.5   | 1.7    | 1.7     |         |         |         |         |         |         |      | 5.8   | 9.0                   |
| VARB                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 1.7   |                       |
|                         | 1.7   | 10.0  | 41.7   | 40.0    | 5.0     |         |         |         |         |         |      | 100.0 | 10.2                  |

TOTAL NUMBER OF OBSERVATIONS

120



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NU5ED 73-76

STATION NAME

YEARS

APR

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.5   | 8.7                   |
| NNE                     | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.5                   |
| NE                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| ENE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| E                       | .8    | 6.7   | 1.7    |         |         |         |         |         |         |         |      | 9.2   | 5.8                   |
| ESE                     |       | 2.5   | 1.7    | .8      |         |         |         |         |         |         |      | 5.0   | 7.7                   |
| SE                      |       | 3.3   | 2.5    |         |         |         |         |         |         |         |      | 5.8   | 6.0                   |
| SSE                     | 1.7   | 4.2   | 3.3    | .8      |         |         |         |         |         |         |      | 10.0  | 6.3                   |
| S                       | .8    | 4.2   | 4.2    | .8      | .8      |         |         |         |         |         |      | 10.8  | 7.8                   |
| SSW                     |       | 1.7   | 5.8    | 5.8     | .8      |         |         |         |         |         |      | 14.2  | 10.0                  |
| SW                      |       | 3.3   | 3.3    | .8      | .8      |         |         |         |         |         |      | 8.3   | 8.8                   |
| WSW                     | .8    | 2.5   | 5.8    | 1.7     |         |         |         |         |         |         |      | 10.8  | 8.1                   |
| W                       |       | 2.5   | 5.8    | .8      |         |         |         |         |         |         |      | 9.2   | 8.3                   |
| WNW                     | .8    | .8    | 1.7    | .8      |         |         |         |         |         |         |      | 4.2   | 7.8                   |
| NW                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| NNW                     |       | .8    |        | .8      |         |         |         |         |         |         |      | 1.7   | 8.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.2   |                       |
|                         | 6.7   | 35.8  | 36.7   | 14.2    | 2.5     |         |         |         |         |         |      | 100.0 | 7.3                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

APR

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| NNE                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.7   | 7.3                   |
| NE                      |       | 2.5   |        |         |         |         |         |         |         |         |      | 2.5   | 5.0                   |
| ENE                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.5                   |
| E                       | .8    | 4.2   | .8     |         |         |         |         |         |         |         |      | 5.8   | 4.7                   |
| ESE                     | .8    | 3.3   |        |         |         |         |         |         |         |         |      | 4.2   | 4.4                   |
| SE                      | 4.2   | .8    |        |         |         |         |         |         |         |         |      | 5.0   | 2.5                   |
| SSE                     |       | 3.3   | .8     |         | .8      |         |         |         |         |         |      | 5.0   | 7.5                   |
| S                       | .8    | 4.2   | 2.5    | .8      | .8      |         |         |         |         |         |      | 9.2   | 7.5                   |
| SSW                     | .8    | 4.2   | 2.5    | 1.7     |         |         |         |         |         |         |      | 9.2   | 6.6                   |
| SW                      |       | 4.2   | 3.3    | 2.5     |         |         |         |         |         |         |      | 10.0  | 8.3                   |
| WSW                     | .8    | 4.2   | 2.5    | 1.7     | .8      |         |         |         |         |         |      | 10.0  | 8.1                   |
| W                       | 2.5   | 6.7   | 3.3    | .8      |         |         |         |         |         |         |      | 13.3  | 5.9                   |
| WNW                     | .8    |       | 1.7    | 1.7     |         |         |         |         |         |         |      | 4.2   | 9.4                   |
| NW                      |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 7.0                   |
| NNW                     | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.7   | 6.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.0  |                       |
|                         | 14.2  | 39.2  | 20.0   | 9.2     | 2.5     |         |         |         |         |         |      | 100.0 | 5.6                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE0

72-76

STATION NAME

YEARS

APR

MONTH

ALL

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | 1.1   | 1.8    | 1.0     | .2      | .1      |         |         |         |         |      | 3.3   | 8.0                   |
| NNE                     | .7    | 1.2   | 1.0    | .3      | .1      |         |         |         |         |         |      | 3.4   | 6.5                   |
| NE                      | .8    | 1.4   | .7     | .3      |         |         |         |         |         |         |      | 3.2   | 5.7                   |
| ENE                     | .8    | .8    | .3     | .4      |         |         |         |         |         |         |      | 2.4   | 5.9                   |
| E                       | .3    | 2.1   | 1.8    | .7      | .3      |         |         |         |         |         |      | 3.4   | 7.8                   |
| ESE                     | .2    | 1.2   | 1.6    | .5      |         |         |         |         |         |         |      | 3.5   | 7.6                   |
| SE                      | .8    | 1.1   | 2.3    | .1      |         |         |         |         |         |         |      | 4.4   | 6.1                   |
| SSE                     | .7    | 2.0   | 3.0    | 1.2     | .1      |         |         |         |         |         |      | 7.1   | 7.8                   |
| S                       | 1.2   | 2.1   | 2.4    | 1.4     | .2      |         |         |         |         |         |      | 7.3   | 7.7                   |
| SSW                     | 1.1   | 1.0   | 2.4    | 2.9     | .3      |         |         |         |         |         |      | 8.5   | 9.1                   |
| SW                      | .4    | 2.2   | 2.5    | 1.2     | .4      | .1      |         |         |         |         |      | 6.9   | 8.7                   |
| WSW                     | .8    | 2.4   | 4.1    | 2.4     | .3      |         |         |         |         |         |      | 10.2  | 8.9                   |
| W                       | .8    | 3.2   | 4.8    | 3.1     | .2      | .1      |         |         |         |         |      | 12.3  | 8.7                   |
| WNW                     | .7    | .9    | 1.7    | 1.0     |         |         |         |         |         |         |      | 4.9   | 8.5                   |
| NW                      | .3    | .7    | .8     | .4      |         |         |         |         |         |         |      | 2.3   | 7.1                   |
| NNW                     | .7    | .7    | .7     | .6      |         |         |         |         |         |         |      | 2.8   | 7.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.0  |                       |
|                         | 12.0  | 24.9  | 31.9   | 18.3    | 2.6     | .3      |         |         |         |         |      | 100.0 | 7.2                   |

TOTAL NUMBER OF OBSERVATIONS

960

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSD

73-76

STATION NAME

YEARS

MAY  
MONTH

ALL WEATHER

CLASS

01  
HOURS (L.S.T.)

NNNN

5702 SURFACE WINDS JAN 68

1234-18766

NNNN

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | .8    | .8     | 1.6     |         |         |         |         |         |         |      | 4.0   | 8.6                   |
| NNE                     |       | 3.2   | 1.6    |         |         |         |         |         |         |         |      | 4.8   | 6.0                   |
| NE                      | .8    | .8    |        | .8      |         |         |         |         |         |         |      | 2.4   | 6.3                   |
| ENE                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 3.5                   |
| E                       |       | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 7.0                   |
| ESE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 2.0                   |
| SE                      | .8    | 2.4   |        | .8      |         |         |         |         |         |         |      | 4.0   | 3.6                   |
| SSE                     |       | 1.6   | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.7                   |
| S                       | 1.6   | 4.0   | 7.3    | 3.2     |         |         |         |         |         |         |      | 16.1  | 7.5                   |
| SSW                     | .8    | 6.5   | 2.4    |         |         |         |         |         |         |         |      | 9.7   | 5.3                   |
| SW                      | 1.6   | 4.8   | 2.4    |         |         |         |         |         |         |         |      | 8.9   | 5.3                   |
| WSW                     | 1.6   | 3.2   | 2.4    |         |         |         |         |         |         |         |      | 7.3   | 5.4                   |
| W                       | 1.6   | 2.4   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.7                   |
| WNW                     | 1.6   | 2.4   | .8     | .8      |         |         |         |         |         |         |      | 6.3   | 7.5                   |
| NW                      |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 11.0                  |
| NNW                     |       | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 4.0   | 8.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 16.5  |                       |
|                         | 12.9  | 30.3  | 22.6   | 8.9     | .8      |         |         |         |         |         |      | 100.0 | 5.2                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

CHARLESTON, SOUTH CAROLINA

73-76

YEARS

MAY

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | .8    | 2.4    |         |         |         |         |         |         |         |      | 4.8   | 6.0                   |
| NNE                     | .8    | .8    | .8     | .8      |         |         |         |         |         |         |      | 3.2   | 8.8                   |
| NE                      | .8    | 4.0   |        |         |         |         |         |         |         |         |      | 4.8   | 4.3                   |
| ENE                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 3.0                   |
| E                       | 1.6   | .8    | .8     | .8      |         |         |         |         |         |         |      | 4.0   | 5.6                   |
| ESE                     | 1.6   | .8    |        |         |         |         |         |         |         |         |      | 2.4   | 3.0                   |
| SE                      | .8    |       | 1.0    |         |         |         |         |         |         |         |      | 2.4   | 6.0                   |
| SSE                     | .8    |       | .8     | 2.4     | .8      |         |         |         |         |         |      | 4.0   | 10.2                  |
| S                       |       | 3.6   | 1.6    | .8      |         |         |         |         |         |         |      | 8.1   | 6.8                   |
| SSW                     | 1.6   | 1.6   | 3.2    |         |         |         |         |         |         |         |      | 6.3   | 5.5                   |
| SW                      | 2.4   | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 7.3   | 5.2                   |
| WSW                     | 1.6   | 3.6   | 2.4    |         |         |         |         |         |         |         |      | 9.7   | 5.6                   |
| W                       |       | 8.1   | 2.4    |         |         |         |         |         |         |         |      | 10.5  | 5.5                   |
| WNW                     | 1.6   | .8    | .8     |         |         |         |         |         |         |         |      | 3.2   | 4.5                   |
| NW                      | .8    | 4.0   | .8     | .8      |         |         |         |         |         |         |      | 5.6   | 5.0                   |
| NNW                     | .8    | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 4.8   | 7.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      | 16.9  |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 100.0 | 4.9                   |
|                         | 17.7  | 37.9  | 21.8   | 4.8     | .8      |         |         |         |         |         |      |       |                       |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

NRN

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

NRN

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | 1.6   | 2.4    | .8      | .8      |         |         |         |         |         |      | 7.3   | 7.9                   |
| NNE                     | .8    | 5.6   | 2.4    |         |         | .8      |         |         |         |         |      | 9.7   | 7.3                   |
| NE                      | 1.6   | 2.4   | .8     |         |         |         |         |         |         |         |      | 4.8   | 5.2                   |
| ENE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 7.0                   |
| E                       | .8    | 2.4   |        | .8      |         |         |         |         |         |         |      | 4.0   | 6.4                   |
| ESE                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.3                   |
| SE                      | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 3.5                   |
| SSE                     |       |       | 1.6    | 1.6     |         |         |         |         |         |         |      | 3.2   | 11.3                  |
| S                       |       | 2.4   |        |         |         | .8      |         |         |         |         |      | 3.2   | 9.3                   |
| SSW                     |       | 3.2   | 2.4    |         |         |         |         |         |         |         |      | 5.6   | 5.6                   |
| SW                      | 1.6   | 4.0   | 3.2    |         |         |         |         |         |         |         |      | 8.9   | 5.8                   |
| WSW                     | .8    | 5.6   | 4.0    |         |         |         |         |         |         |         |      | 10.3  | 6.4                   |
| W                       | 2.4   | 6.5   | 2.4    | .8      |         |         |         |         |         |         |      | 12.1  | 5.2                   |
| WNW                     | 1.6   | 2.4   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.5                   |
| NW                      | 1.6   | 1.6   | .8     |         |         |         |         |         |         |         |      | 4.0   | 4.4                   |
| NNW                     | 3.2   | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 7.3   | 4.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 9.7   |                       |
|                         | 17.7  | 41.9  | 24.2   | 4.0     | .8      | 1.6     |         |         |         |         |      | 100.0 | 5.5                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAY

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 1.6   | 4.0    | 4.0     |         |         |         |         |         |         |      | 10.3  | 9.2                   |
| NNE                     | 2.4   | 2.4   | .8     | .8      |         |         |         |         |         |         |      | 6.3   | 5.0                   |
| NE                      | .8    | .8    | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 6.0                   |
| ENE                     | .8    | .8    | .8     | 1.6     |         |         |         |         |         |         |      | 3.2   | 9.5                   |
| E                       |       | 1.6   | 3.2    | .8      |         |         |         |         |         |         |      | 3.6   | 8.1                   |
| ESE                     | .8    | .8    | .8     |         | .8      |         |         |         |         |         |      | 2.4   | 8.7                   |
| SE                      |       | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 4.0   | 6.2                   |
| SSE                     |       |       | 4.0    | .8      | .8      |         |         |         |         |         |      | 6.3   | 11.0                  |
| S                       |       | 1.6   | 4.0    |         |         |         |         |         |         |         |      | 3.6   | 7.1                   |
| SSW                     | .8    |       |        | 1.6     |         |         |         |         |         |         |      | 2.4   | 9.3                   |
| SW                      | 1.6   | 1.6   | 7.2    |         |         |         |         |         |         |         |      | 10.3  | 6.9                   |
| WSW                     |       | 4.0   | 4.0    | 2.4     |         |         |         |         |         |         |      | 11.3  | 7.5                   |
| W                       | 1.6   | 3.6   | 9.7    |         |         |         |         |         |         |         |      | 10.9  | 7.0                   |
| WNW                     |       | 3.2   |        |         |         |         |         |         |         |         |      | 3.2   | 4.5                   |
| NW                      | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.6   | 5.5                   |
| NNW                     |       | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 4.0   | 6.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 2.4   |                       |
|                         | 10.5  | 27.4  | 46.0   | 12.1    | 1.6     |         |         |         |         |         |      | 100.0 | 7.3                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13758 CHARLESTON, SOUTH CAROLINA NUSED 73-75 MAY MONTH 13 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.0   | 3.2    |         | .8      |         |         |         |         |         |      | 5.6   | 8.7                   |
| NNE                     |       | 1.0   | 1.0    | .8      |         |         |         |         |         |         |      | 4.0   | 7.0                   |
| NE                      |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 14.0                  |
| ENE                     | .8    |       |        | .8      |         |         |         |         |         |         |      | 1.6   | 8.0                   |
| E                       | 1.0   |       | 2.4    | 4.0     |         |         |         |         |         |         |      | 8.1   | 8.9                   |
| ESE                     | 1.0   |       | .8     | .8      | .8      |         |         |         |         |         |      | 4.0   | 8.6                   |
| SE                      |       |       | 2.4    | 1.6     |         |         |         |         |         |         |      | 4.0   | 9.4                   |
| SSE                     |       | 1.0   | 8.1    | 4.8     | .8      |         |         |         |         |         |      | 15.3  | 10.3                  |
| S                       |       | 1.0   | 9.7    | 4.0     |         |         |         |         |         |         |      | 15.3  | 9.5                   |
| SSW                     |       | .8    | 2.4    | 1.6     | .8      |         |         |         |         |         |      | 5.6   | 10.7                  |
| SW                      |       | .8    | 3.2    | 1.6     | .8      |         |         |         |         |         |      | 6.5   | 10.4                  |
| WSW                     | .8    | 2.4   | 4.0    | .8      | .8      |         |         |         |         |         |      | 8.9   | 8.0                   |
| W                       | .8    | 4.0   | 4.0    | 1.6     |         |         |         |         |         |         |      | 10.5  | 7.6                   |
| WNW                     | .8    | 3.2   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.8                   |
| NW                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| NNW                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 5.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 2.4   |                       |
|                         | 6.5   | 19.4  | 43.5   | 23.4    | 4.8     |         |         |         |         |         |      | 100.0 | 8.6                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NUSSD 73-75

STATION NAME

YEARS

MAY

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    |       | .8     | .8      |         |         |         |         |         |         |      | 2.4   | 8.0                   |
| NNE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NE                      |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 14.0                  |
| ENE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 10.0                  |
| E                       |       |       | 4.0    | 4.0     | 1.0     |         |         |         |         |         |      | 9.7   | 11.9                  |
| ESE                     |       |       | 4.8    |         |         |         |         |         |         |         |      | 4.8   | 8.7                   |
| SE                      | .8    |       | 2.4    | .8      |         |         |         |         |         |         |      | 4.0   | 8.0                   |
| SSE                     |       | 2.4   | 6.1    | 3.6     | .8      |         |         |         |         |         |      | 16.7  | 10.3                  |
| S                       | .8    | .8    | 12.9   | 9.7     | 1.0     |         |         |         |         |         |      | 25.8  | 10.8                  |
| SSW                     |       |       | 4.8    | 3.6     |         |         |         |         |         |         |      | 10.5  | 10.8                  |
| SW                      |       | .8    | 3.2    | 2.4     |         |         |         |         |         |         |      | 6.5   | 10.1                  |
| WSW                     |       | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 7.5                   |
| W                       |       | 2.4   | 4.0    | 1.6     | .8      |         |         |         |         |         |      | 8.9   | 9.5                   |
| WNW                     |       | 1.6   |        |         |         |         |         |         |         |         |      | 1.6   | 6.0                   |
| NW                      | .8    | 1.6   | .8     |         |         |         |         |         |         |         |      | 3.2   | 5.0                   |
| NNW                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 6.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .0    |                       |
|                         | 3.2   | 12.1  | 48.4   | 31.5    | 4.8     |         |         |         |         |         |      | 100.0 | 10.0                  |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION NAME  
CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAY

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

NNNN

NNN

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 3.5                   |
| NNE                     |       | .8    |        | .8      |         |         |         |         |         |         |      | 1.6   | 10.5                  |
| NE                      |       | .8    |        | .8      |         |         |         |         |         |         |      | 1.6   | 7.5                   |
| ENE                     | .8    |       | .8     | 1.6     |         |         |         |         |         |         |      | 3.2   | 8.0                   |
| E                       |       | 4.0   | 4.8    | .8      |         |         |         |         |         |         |      | 9.7   | 7.3                   |
| ESE                     |       | .8    | 1.6    |         |         |         |         |         |         |         |      | 2.4   | 7.3                   |
| SE                      | .8    | 2.4   | 3.2    |         |         |         |         |         |         |         |      | 6.5   | 7.0                   |
| SSE                     | 1.6   | .8    | 8.9    | 2.4     |         |         |         |         |         |         |      | 13.7  | 8.3                   |
| S                       |       | 4.0   | 8.1    | 4.8     |         |         |         |         |         |         |      | 16.9  | 9.1                   |
| SSW                     |       | 8.9   | 9.7    | 7.3     |         |         |         |         |         |         |      | 23.8  | 8.4                   |
| SW                      | .8    | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 5.6   | 6.4                   |
| WSW                     |       | 1.6   | 1.6    | 1.6     |         |         |         |         |         |         |      | 4.8   | 8.2                   |
| W                       | .8    | .8    | .8     | 1.6     |         |         |         |         |         |         |      | 3.2   | 9.8                   |
| WNW                     |       |       |        |         | .8      |         |         |         |         |         |      | .8    | 19.0                  |
| NW                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| NNW                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 9.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .6    |                       |
|                         | 4.8   | 29.0  | 42.7   | 21.8    | .8      |         |         |         |         |         |      | 100.0 | 8.1                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.4   | 5.0                   |
| NNE                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 3.5                   |
| NE                      | .8    |       |        | .8      |         |         |         |         |         |         |      | 1.6   | 9.0                   |
| ENE                     | .8    | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.4   | 5.0                   |
| E                       | 2.4   | .8    | .8     | .8      |         |         |         |         |         |         |      | 4.0   | 5.2                   |
| ESE                     | 2.4   | .8    | .8     | .8      |         |         |         |         |         |         |      | 4.0   | 4.2                   |
| SE                      | 2.4   | 2.4   | .8     | .8      |         |         |         |         |         |         |      | 5.6   | 4.6                   |
| SSE                     | 1.6   | .8    | 2.4    | 3.2     |         |         |         |         |         |         |      | 8.1   | 8.7                   |
| S                       | 2.4   | 5.6   | 5.6    | 2.4     |         |         |         |         |         |         |      | 16.1  | 6.7                   |
| SSW                     | 1.6   | 4.0   | 5.6    |         |         |         |         |         |         |         |      | 11.3  | 6.4                   |
| SW                      | 3.2   | 4.0   | 7.2    |         |         |         |         |         |         |         |      | 14.5  | 6.1                   |
| WSW                     | 1.6   | 4.0   | 3.2    |         |         |         |         |         |         |         |      | 8.9   | 6.2                   |
| W                       | 2.4   | 3.2   | .8     |         |         |         |         |         |         |         |      | 6.5   | 4.6                   |
| WNW                     |       | 1.6   | .8     | .8      |         |         |         |         |         |         |      | 2.4   | 6.3                   |
| NW                      | .8    |       |        | .8      | .8      |         |         |         |         |         |      | 1.6   | 7.0                   |
| NNW                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 3.2   | 9.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 5.6   |                       |
|                         | 25.6  | 29.0  | 30.6   | 8.1     | .8      |         |         |         |         |         |      | 100.0 | 5.9                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13738  
STATION

CHARLESTON, SOUTH CAROLINA NYSED 73-76

STATION NAME

YEARS

MAY  
MONTHALL WEATHER  
CLASSALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | .9    | 1.8    | .9      | .2      |         |         |         |         |         |      | 4.8   | 7.9                   |
| NNE                     | .6    | 1.9   | .9     | .3      | .1      | .1      |         |         |         |         |      | 3.9   | 6.7                   |
| NE                      | .6    | 1.1   | .3     | .5      |         |         |         |         |         |         |      | 2.5   | 6.4                   |
| ENE                     | .6    | .3    | .5     | .5      |         |         |         |         |         |         |      | 1.9   | 6.9                   |
| E                       | .8    | 1.3   | 2.2    | 1.5     | .2      |         |         |         |         |         |      | 6.0   | 8.3                   |
| ESE                     | 1.0   | .5    | 1.1    | .1      | .2      |         |         |         |         |         |      | 2.9   | 6.6                   |
| SE                      | .8    | 1.3   | 1.5    | .4      |         |         |         |         |         |         |      | 4.0   | 6.5                   |
| SSE                     | .5    | .9    | 4.4    | 2.6     | .3      |         |         |         |         |         |      | 8.8   | 9.7                   |
| S                       | .6    | 3.2   | 6.1    | 3.1     | .2      | .1      |         |         |         |         |      | 13.4  | 8.7                   |
| SSW                     | .6    | 3.1   | 3.8    | 2.0     | .1      |         |         |         |         |         |      | 9.7   | 7.8                   |
| SW                      | 1.4   | 2.6   | 3.9    | .5      | .1      |         |         |         |         |         |      | 8.6   | 6.8                   |
| WSW                     | .8    | 3.5   | 3.0    | .6      | .1      |         |         |         |         |         |      | 8.1   | 6.8                   |
| W                       | 1.1   | 4.1   | 3.1    | .7      | .1      |         |         |         |         |         |      | 9.2   | 6.6                   |
| WNW                     | .7    | 1.9   | .5     | .1      | .2      |         |         |         |         |         |      | 3.4   | 5.9                   |
| NW                      | .6    | 1.1   | .4     | .2      |         |         |         |         |         |         |      | 2.3   | 5.3                   |
| NNW                     | .6    | 1.2   | 1.2    | .2      | .1      |         |         |         |         |         |      | 3.3   | 6.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 7.1   |                       |
|                         | 12.4  | 29.1  | 35.0   | 14.3    | 1.9     | .2      |         |         |         |         |      | 100.0 | 6.9                   |

TOTAL NUMBER OF OBSERVATIONS

992



AD-A043 254

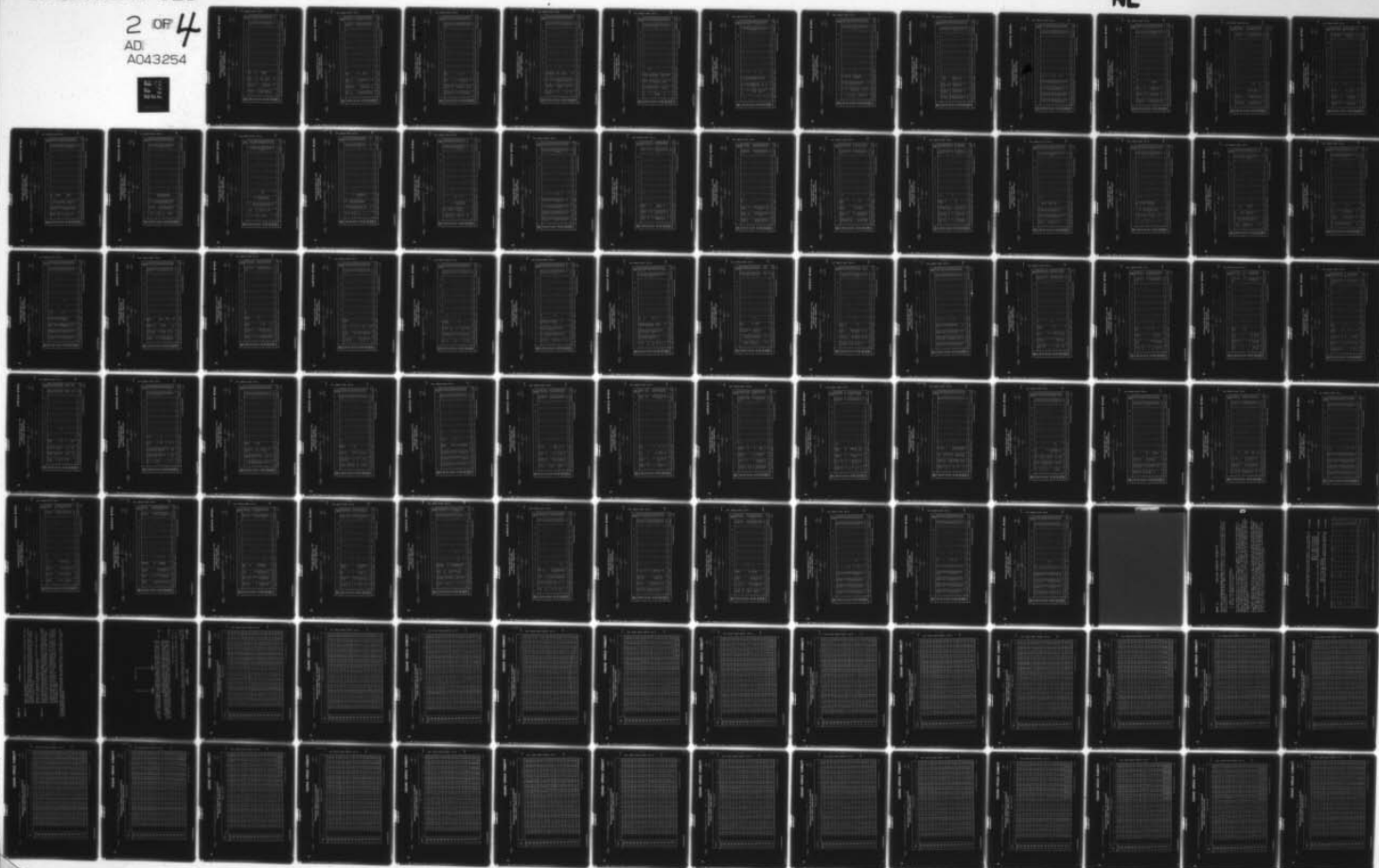
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) CHARLEST--ETC(U)  
JUL 77

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2 OF 4  
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NL



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

CHARLESTON, SOUTH CAROLINA NWSE0

73-78

JUN

MONTH

YEARS

STATION

STATION NAME

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 1.7   | 4.2    | .8      |         |         |         |         |         |         |      | 7.6   | 7.4                   |
| NNE                     | 2.5   | 1.7   | 4.2    | 1.7     |         |         |         |         |         |         |      | 10.1  | 6.2                   |
| NE                      | 3.4   | 1.7   |        |         |         |         |         |         |         |         |      | 5.0   | 2.8                   |
| ENE                     | .8    | 3.4   |        |         |         |         |         |         |         |         |      | 4.2   | 4.2                   |
| E                       |       |       | 1.7    | .8      |         |         |         |         |         |         |      | 2.5   | 10.0                  |
| ESE                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.7   | 6.0                   |
| SE                      | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 2.0                   |
| SSE                     | 1.7   |       | .8     |         |         |         |         |         |         |         |      | 2.5   | 4.7                   |
| S                       | 3.4   | 4.2   | 3.4    | 2.5     |         |         |         |         |         |         |      | 13.4  | 6.7                   |
| SSW                     | .8    | 1.7   |        | 2.5     |         |         |         |         |         |         |      | 5.0   | 3.0                   |
| SW                      | 1.7   | 1.7   | 1.7    | .8      |         |         |         |         |         |         |      | 5.9   | 5.9                   |
| WSW                     | 4.2   | 5.0   | 2.5    |         |         |         |         |         |         |         |      | 11.8  | 4.9                   |
| W                       | 1.7   | 5.9   | .8     |         |         |         |         |         |         |         |      | 8.4   | 4.7                   |
| WNW                     | 2.5   |       |        |         |         |         |         |         |         |         |      | 2.5   | 1.7                   |
| NW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNW                     |       | .8    | 1.7    |         |         |         |         |         |         |         |      | 2.5   | 7.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 16.0  |                       |
|                         | 24.4  | 28.6  | 21.8   | 9.2     |         |         |         |         |         |         |      | 100.0 | 4.8                   |

TOTAL NUMBER OF OBSERVATIONS

119

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

72-76

YEARS

JUN

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN-68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.3   | 1.7   | 4.2    | .8      |         |         |         |         |         |         |      | 10.0  | 6.2                   |
| NNE                     | .8    | 2.5   | 4.2    | .8      |         |         |         |         |         |         |      | 8.3   | 7.7                   |
| NE                      |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 5.5                   |
| ENE                     | 1.7   | 2.5   | 2.5    |         |         |         |         |         |         |         |      | 6.7   | 5.3                   |
| E                       |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 6.0                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 9.0                   |
| SSE                     | .8    |       |        | .8      |         |         |         |         |         |         |      | 1.7   | 6.5                   |
| S                       | 3.3   | 2.5   | 3.3    |         |         |         |         |         |         |         |      | 9.2   | 5.3                   |
| SSW                     | 4.2   | 1.7   | .8     |         |         |         |         |         |         |         |      | 6.7   | 3.6                   |
| SW                      | 3.3   | 2.5   | .8     | .8      |         |         |         |         |         |         |      | 7.5   | 5.1                   |
| WSW                     | .8    | 2.5   | .8     | .8      |         |         |         |         |         |         |      | 5.0   | 6.8                   |
| W                       | 2.5   | 5.0   | .8     |         |         |         |         |         |         |         |      | 8.3   | 4.2                   |
| WNW                     | 1.7   | 1.7   | .8     |         |         |         |         |         |         |         |      | 4.2   | 4.8                   |
| NW                      | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.5                   |
| NNW                     | 1.7   | 2.5   | .8     |         |         |         |         |         |         |         |      | 5.0   | 4.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 22.5  |                       |
|                         | 25.8  | 27.5  | 20.0   | 4.2     |         |         |         |         |         |         |      | 100.0 | 4.2                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

JUN

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

NNNN

NNNN

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.2   | 2.5   | 3.3    | 4.2     |         |         |         |         |         |         |      | 14.2  | 7.8                   |
| NNE                     | .8    | 3.3   | 4.2    | 1.7     |         |         |         |         |         |         |      | 10.0  | 7.3                   |
| NE                      | 1.7   | 2.5   |        |         |         |         |         |         |         |         |      | 4.2   | 4.2                   |
| ENE                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.5                   |
| E                       | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 3.0                   |
| ESE                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 4.5                   |
| SE                      |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 9.0                   |
| SSE                     | .8    | 4.2   |        |         |         |         |         |         |         |         |      | 5.0   | 4.0                   |
| S                       | .8    | 4.2   | .8     |         |         |         |         |         |         |         |      | 5.8   | 4.7                   |
| SSW                     | .8    | 1.7   | .8     | 1.7     |         |         |         |         |         |         |      | 5.0   | 7.7                   |
| SW                      | 1.7   | 2.5   | 1.7    |         |         |         |         |         |         |         |      | 5.8   | 5.0                   |
| WSW                     | 1.7   | 3.3   | 1.7    | .8      |         |         |         |         |         |         |      | 7.3   | 5.7                   |
| W                       | 1.7   |       | 5.0    |         |         |         |         |         |         |         |      | 6.7   | 7.1                   |
| WNW                     | 1.7   | 3.3   | .8     |         |         |         |         |         |         |         |      | 5.8   | 5.0                   |
| NW                      | 1.7   | 2.5   |        |         |         |         |         |         |         |         |      | 4.2   | 3.8                   |
| NNW                     | .8    | 1.7   | .8     |         |         |         |         |         |         |         |      | 3.3   | 4.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.8  |                       |
|                         | 21.7  | 34.2  | 20.0   | 8.3     |         |         |         |         |         |         |      | 100.0 | 4.9                   |

TOTAL NUMBER OF OBSERVATIONS

120



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NUSSD 73-76

STATION NAME

YEARS

JUN

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | 2.5   | 3.3    | 4.2     |         |         |         |         |         |         |      | 11.7  | 8.0                   |
| NNE                     | 1.7   | 2.5   |        | .8      |         |         |         |         |         |         |      | 5.0   | 5.3                   |
| NE                      | 2.5   | 1.7   | .8     | 1.7     |         |         |         |         |         |         |      | 6.7   | 6.0                   |
| ENE                     | .8    | 4.2   | 1.7    | 1.7     |         |         |         |         |         |         |      | 8.3   | 7.0                   |
| E                       | .8    |       | .8     | 2.5     |         |         |         |         |         |         |      | 4.2   | 9.4                   |
| ESE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 9.0                   |
| SE                      |       | .8    | 2.5    | .8      |         |         |         |         |         |         |      | 4.2   | 8.2                   |
| SSE                     | .8    | 1.7   | 3.3    | .8      |         |         |         |         |         |         |      | 6.7   | 7.9                   |
| S                       |       | 3.3   | 4.2    |         | .8      |         |         |         |         |         |      | 8.3   | 7.5                   |
| SSW                     |       | 1.7   | 1.7    | 1.7     |         |         |         |         |         |         |      | 5.0   | 7.8                   |
| SW                      |       |       | .8     | .8      |         |         |         |         |         |         |      | 1.7   | 9.5                   |
| WSW                     | .8    | 1.7   | 3.3    | 1.7     |         |         |         |         |         |         |      | 7.5   | 7.7                   |
| W                       | .8    | 4.2   | 5.0    |         |         |         |         |         |         |         |      | 10.0  | 6.2                   |
| WNW                     |       | .8    | 1.7    |         |         |         |         |         |         |         |      | 2.5   | 7.0                   |
| NW                      | .8    | .8    | 1.7    |         |         |         |         |         |         |         |      | 3.3   | 6.0                   |
| NNW                     | .8    | .8    | 1.7    | .8      |         |         |         |         |         |         |      | 4.2   | 7.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.0  |                       |
|                         | 11.7  | 26.7  | 33.3   | 17.5    | .8      |         |         |         |         |         |      | 100.0 | 6.6                   |

TOTAL NUMBER OF OBSERVATIONS

120

4449

NNNN

5702 SURFACE WINDS JAN 68

1234-18788

NNNN

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13758 CHARLESTON, SOUTH CAROLINA NWSE 73-76 YEARS MONTH JUN  
HOURS (L.S.T.) 13

ALL WEATHER  
CLASS

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | 2.5   | 2.5    | .8      |         |         |         |         |         |         |      | 7.5   | 6.6                   |
| NNE                     |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.5   | 9.3                   |
| NE                      |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.5   | 9.7                   |
| ENE                     |       | 2.5   |        |         | .8      |         |         |         |         |         |      | 3.3   | 8.5                   |
| E                       | .8    | 1.7   | 2.5    | 3.3     | .8      |         |         |         |         |         |      | 9.2   | 9.7                   |
| ESE                     |       | 3.3   | .8     | 1.7     |         |         |         |         |         |         |      | 5.8   | 8.3                   |
| SE                      |       | .8    | 3.3    | .8      |         |         |         |         |         |         |      | 5.0   | 8.8                   |
| SSE                     | 1.7   | 2.5   | 6.7    | 5.8     |         |         |         |         |         |         |      | 16.7  | 8.6                   |
| S                       | 1.7   | 1.7   | 4.2    | 4.2     |         |         |         |         |         |         |      | 11.7  | 8.7                   |
| SSW                     | 1.7   |       | 1.7    |         |         |         |         |         |         |         |      | 3.3   | 6.0                   |
| SW                      |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 13.0                  |
| WSW                     |       | 2.5   | 1.7    | 1.7     |         |         |         |         |         |         |      | 5.8   | 8.0                   |
| W                       | 1.7   | 2.5   | 3.3    | 1.7     |         |         |         |         |         |         |      | 9.2   | 7.3                   |
| WNW                     |       | 2.5   | 3.3    | .8      |         |         |         |         |         |         |      | 6.7   | 7.9                   |
| NW                      |       | 2.5   |        | .8      |         |         |         |         |         |         |      | 3.3   | 7.5                   |
| NNW                     | .8    |       | .8     | .8      |         |         |         |         |         |         |      | 2.5   | 8.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.2   |                       |
|                         | 10.0  | 26.7  | 32.5   | 25.0    | 1.7     |         |         |         |         |         |      | 100.0 | 7.9                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA

73-76

STATION NAME

YEARS

JUN

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.7   | 2.5    | 1.7     | .8      |         |         |         |         |         |      | 6.7   | 9.9                   |
| NNE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| NE                      |       |       | 1.7    | 1.7     |         |         |         |         |         |         |      | 3.3   | 12.3                  |
| ENE                     |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.5   | 9.0                   |
| E                       |       | .8    | 1.7    | 2.5     | .8      |         |         |         |         |         |      | 5.8   | 10.7                  |
| ESE                     |       |       | 4.2    | .8      |         |         |         |         |         |         |      | 5.0   | 9.3                   |
| SE                      |       | .8    | 3.3    | 3.3     |         |         |         |         |         |         |      | 7.5   | 9.8                   |
| SSE                     |       | 2.5   | 15.0   | 5.0     |         |         |         |         |         |         |      | 22.5  | 9.3                   |
| S                       |       | 5.8   | 4.2    | 6.7     | .8      |         |         |         |         |         |      | 17.5  | 9.7                   |
| SSW                     | .8    |       | 1.7    | .8      |         |         |         |         |         |         |      | 2.5   | 11.7                  |
| SW                      |       | 1.7   | 1.7    | .8      |         |         |         |         |         |         |      | 5.0   | 7.2                   |
| WSW                     |       | 1.7   |        | .8      | .8      |         |         |         |         |         |      | 3.3   | 11.0                  |
| W                       |       | 1.7   | 2.5    | 1.7     |         |         |         |         |         |         |      | 5.8   | 9.3                   |
| WNW                     | .8    | .8    |        | .8      |         |         |         |         |         |         |      | 2.5   | 7.0                   |
| NW                      |       | .8    | 4.2    |         |         |         |         |         |         |         |      | 5.0   | 7.2                   |
| NNW                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 3.3   |                       |
|                         | 3.3   | 19.2  | 43.3   | 27.5    | 3.3     |         |         |         |         |         |      | 100.0 | 9.0                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

CHARLESTON, SOUTH CAROLINA NUSSD

73-76

JUN

MONTH

YEARS

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .8    | 3.3    | .8      |         |         |         |         |         |         |      | 5.0   | 7.8                   |
| NNE                     |       |       | .8     | .8      | .8      |         |         |         |         |         |      | 1.7   | 13.0                  |
| NE                      |       | .8    | 1.7    | .8      |         |         |         |         |         |         |      | 3.3   | 8.0                   |
| ENE                     | .8    | .8    | 1.7    | .8      |         |         |         |         |         |         |      | 4.2   | 6.8                   |
| E                       |       |       | 3.3    | .8      |         |         |         |         |         |         |      | 4.2   | 10.0                  |
| ESE                     | 2.5   | 1.7   | 3.3    | .8      |         |         |         |         |         |         |      | 5.3   | 6.3                   |
| SE                      |       | 1.7   | 2.5    |         |         |         |         |         |         |         |      | 4.2   | 6.6                   |
| SSE                     | 1.7   | 4.2   | 6.7    | 2.5     | .8      |         |         |         |         |         |      | 15.8  | 7.9                   |
| S                       |       | 5.0   | 9.2    | 4.2     |         |         |         |         |         |         |      | 18.3  | 8.3                   |
| SSW                     | .8    | 5.0   | 3.3    | 3.3     |         |         |         |         |         |         |      | 12.5  | 7.8                   |
| SW                      | .8    | .8    | 1.7    | .8      |         |         |         |         |         |         |      | 4.2   | 7.2                   |
| WSW                     | 1.7   |       | 1.7    | .8      |         |         |         |         |         |         |      | 4.2   | 7.4                   |
| W                       | .8    | 1.7   | .8     |         |         |         |         |         |         |         |      | 3.3   | 5.8                   |
| WNW                     | .8    | 1.7   |        |         |         |         |         |         |         |         |      | 2.5   | 3.0                   |
| NW                      | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.5                   |
| NNW                     |       | 1.7   | .8     |         |         |         |         |         |         |         |      | 2.5   | 6.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.2   |                       |
|                         | 10.8  | 26.7  | 40.8   | 15.8    | 1.7     |         |         |         |         |         |      | 100.0 | 7.2                   |

TOTAL NUMBER OF OBSERVATIONS

120



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSB

73-76

STATION NAME

YEARS

JUN

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 4.2   | 6.6                   |
| NNE                     | .6    | 2.5   | 1.7    | 1.7     |         |         |         |         |         |         |      | 6.7   | 8.3                   |
| NE                      | 3.3   | 2.5   | 1.7    | .8      |         |         |         |         |         |         |      | 8.3   | 5.3                   |
| ENE                     | 2.5   | 3.3   |        |         |         |         |         |         |         |         |      | 5.8   | 3.9                   |
| E                       |       |       | 1.7    |         |         |         |         |         |         |         |      | 1.7   | 8.5                   |
| ESE                     | 2.5   | 1.7   | .8     |         |         |         |         |         |         |         |      | 5.0   | 3.8                   |
| SE                      | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| SSE                     | 1.7   | 2.5   | 2.5    | 1.7     |         |         |         |         |         |         |      | 8.3   | 6.9                   |
| S                       | 2.5   | 5.8   | 3.3    | 1.7     |         |         |         |         |         |         |      | 13.3  | 6.4                   |
| SSW                     | 4.2   | 1.7   | 6.7    | .8      |         |         |         |         |         |         |      | 13.3  | 6.1                   |
| SW                      | 1.7   | 2.5   | .8     |         |         |         |         |         |         |         |      | 5.0   | 5.2                   |
| WSW                     | 1.7   | 3.3   | 1.7    | 1.7     |         |         |         |         |         |         |      | 8.3   | 7.0                   |
| W                       | 2.5   | .8    |        |         |         |         |         |         |         |         |      | 3.3   | 3.5                   |
| WNW                     | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.7   | 5.5                   |
| NW                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| NNW                     | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 3.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      | 11.7  |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 27.5  | 24.2  | 23.3   | 8.3     |         |         |         |         |         |         |      | 100.0 | 5.2                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NASD

73-76

STATION NAME

YEARS

JUN

MONTH

ALL

ALL

HOURS (L.S.T.)

MMH

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

MMH

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.0   | 1.9   | 3.1    | 1.7     | .1      |         |         |         |         |         |      | 8.3   | 7.5                   |
| NNE                     | .9    | 1.7   | 2.0    | .9      | .1      |         |         |         |         |         |      | 5.0   | 7.3                   |
| NE                      | 1.4   | 1.5   | .8     | .7      |         |         |         |         |         |         |      | 4.4   | 6.2                   |
| ENE                     | .9    | 2.3   | .8     | .4      | .1      |         |         |         |         |         |      | 4.0   | 6.0                   |
| E                       | .4    | .5    | 1.5    | 1.3     | .2      |         |         |         |         |         |      | 3.9   | 9.2                   |
| ESE                     | .7    | 1.0   | 1.4    | .4      |         |         |         |         |         |         |      | 3.5   | 6.7                   |
| SE                      | .2    | .5    | 1.7    | .6      |         |         |         |         |         |         |      | 3.0   | 8.2                   |
| SSE                     | 1.1   | 2.2   | 4.4    | 2.1     | .1      |         |         |         |         |         |      | 9.9   | 8.0                   |
| S                       | 1.5   | 4.1   | 4.1    | 2.4     | .2      |         |         |         |         |         |      | 12.2  | 7.5                   |
| SSW                     | 1.0   | 1.7   | 2.1    | 1.4     |         |         |         |         |         |         |      | 6.7   | 6.9                   |
| SW                      | 1.3   | 1.5   | 1.1    | .6      |         |         |         |         |         |         |      | 4.5   | 6.1                   |
| WSW                     | 1.4   | 2.5   | 1.7    | 1.0     | .1      |         |         |         |         |         |      | 6.7   | 6.8                   |
| W                       | 1.5   | 2.7   | 2.3    | .4      |         |         |         |         |         |         |      | 6.9   | 6.1                   |
| WNW                     | 1.0   | 1.4   | .9     | .2      |         |         |         |         |         |         |      | 3.5   | 5.6                   |
| NW                      | .6    | 1.0   | .7     | .1      |         |         |         |         |         |         |      | 2.5   | 5.5                   |
| NNW                     | .8    | .9    | .8     | .2      |         |         |         |         |         |         |      | 2.8   | 5.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.9  |                       |
|                         | 16.9  | 27.3  | 29.4   | 14.5    | .9      |         |         |         |         |         |      | 100.0 | 6.2                   |

TOTAL NUMBER OF OBSERVATIONS

959

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13758 CHARLESTON, SOUTH CAROLINA NWSE 73-76 JUL MONTH 01 HOURS (L.S.T.)  
STATION NAME ALL WEATHER CLASS YEARS

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 1.6   | .8     |         |         |         |         |         |         |         |      | 4.8   | 3.8                   |
| NNE                     | 4.0   | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 7.3   | 4.3                   |
| NE                      | 1.6   | .8    |        |         |         |         |         |         |         |         |      | 2.4   | 3.3                   |
| ENE                     | 2.4   | 1.6   |        |         |         |         |         |         |         |         |      | 4.0   | 3.0                   |
| E                       | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.6   | 5.0                   |
| ESE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| SE                      |       | 1.6   |        |         |         |         |         |         |         |         |      | 1.6   | 5.0                   |
| SSE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| S                       | 3.2   | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 7.3   | 4.4                   |
| SSW                     | 2.4   | 6.5   | 4.0    | 1.6     |         |         |         |         |         |         |      | 14.5  | 6.0                   |
| SW                      | 3.2   | 4.8   | 6.5    | .8      |         |         |         |         |         |         |      | 15.3  | 5.9                   |
| WSW                     | 4.0   | 5.6   | .8     | .8      |         |         |         |         |         |         |      | 11.3  | 4.7                   |
| W                       | 2.4   | 4.0   | 1.6    |         |         |         |         |         |         |         |      | 8.1   | 4.8                   |
| WNW                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 2.0                   |
| NW                      | 1.6   | .8    | .8     |         |         |         |         |         |         |         |      | 3.2   | 5.0                   |
| NNW                     | 1.6   | .8    |        |         |         |         |         |         |         |         |      | 2.4   | 3.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 13.7  |                       |
|                         | 31.5  | 33.1  | 18.5   | 3.2     |         |         |         |         |         |         |      | 100.0 | 4.2                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

STATION NAME

72-76

YEARS

JUL

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.8   | 2.4   |        |         |         |         |         |         |         |         |      | 7.3   | 3.3                   |
| NNE                     | .8    | 6.5   |        | .8      |         |         |         |         |         |         |      | 8.1   | 5.4                   |
| NE                      | .8    | 2.4   |        |         |         |         |         |         |         |         |      | 3.2   | 4.0                   |
| ENE                     | 3.2   | .8    |        |         |         |         |         |         |         |         |      | 4.0   | 2.8                   |
| E                       | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 9.0                   |
| S                       | 4.8   | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 8.1   | 3.8                   |
| SSW                     | 4.0   | 3.2   | .8     |         |         |         |         |         |         |         |      | 8.1   | 3.8                   |
| SW                      | 1.6   | 7.3   | .8     | .8      |         |         |         |         |         |         |      | 10.5  | 5.1                   |
| WSW                     | 4.0   | 3.2   | 1.6    | .8      |         |         |         |         |         |         |      | 9.7   | 5.2                   |
| W                       | 3.2   | 5.6   | 1.6    |         |         |         |         |         |         |         |      | 10.5  | 4.7                   |
| WNW                     | 4.0   | 1.6   |        |         |         |         |         |         |         |         |      | 5.6   | 3.0                   |
| NW                      | .8    | 1.6   | .8     | .8      |         |         |         |         |         |         |      | 4.0   | 7.2                   |
| NNW                     | 2.4   | 2.4   |        |         |         |         |         |         |         |         |      | 4.8   | 3.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 14.5  |                       |
|                         | 35.5  | 36.7  | 8.1    | 3.2     |         |         |         |         |         |         |      | 100.0 | 3.8                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

STATION NAME

YEARS

JUL  
MONTH07  
HOURS (L.S.T.)ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 2.4   | .8     |         |         |         |         |         |         |         |      | 3.6   | 4.6                   |
| NNE                     | 3.2   | 1.6   | .8     |         |         |         |         |         |         |         |      | 3.6   | 3.9                   |
| NE                      | 4.0   | 4.0   | 1.6    | .8      |         |         |         |         |         |         |      | 10.5  | 5.0                   |
| ENE                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 4.5                   |
| E                       | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.6   | 5.5                   |
| ESE                     | .8    | 1.6   |        |         |         |         |         |         |         |         |      | 2.4   | 3.7                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 14.0                  |
| S                       | .8    |       | .8     | .8      |         |         |         |         |         |         |      | 2.4   | 7.7                   |
| SSW                     | 1.6   | 2.4   |        |         |         |         |         |         |         |         |      | 4.0   | 4.2                   |
| SW                      | 2.4   | 4.8   | 4.0    |         |         |         |         |         |         |         |      | 11.3  | 5.4                   |
| WSW                     | 1.6   | 7.3   | 1.6    |         |         |         |         |         |         |         |      | 10.5  | 5.4                   |
| W                       | 4.0   | 10.5  | 5.6    |         |         |         |         |         |         |         |      | 20.2  | 5.4                   |
| WNW                     | 3.2   | 1.6   |        |         |         |         |         |         |         |         |      | 4.8   | 3.3                   |
| NW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNW                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 16.1  |                       |
|                         | 26.6  | 37.9  | 16.9   | 2.4     |         |         |         |         |         |         |      | 100.0 | 4.3                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1375R

STATION

CHARLESTON, SOUTH CAROLINA NWSE

STATION NAME

73-76

YEARS

JUL

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.2   | 1.6   |        | 1.6     |         |         |         |         |         |         |      | 6.5   | 5.8                   |
| NNE                     | .8    | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 5.6   | 5.9                   |
| NE                      | 4.0   | 1.6   | .8     |         |         |         |         |         |         |         |      | 6.5   | 3.6                   |
| ENE                     |       | 2.4   | 1.6    | 1.6     |         |         |         |         |         |         |      | 5.6   | 3.3                   |
| E                       | 1.6   | .8    | 2.4    | .8      |         |         |         |         |         |         |      | 5.6   | 7.0                   |
| ESE                     | .8    | .8    | .8     | .8      |         |         |         |         |         |         |      | 5.2   | 8.0                   |
| SE                      |       | .8    | 1.6    |         |         |         |         |         |         |         |      | 2.4   | 6.0                   |
| SSE                     | 1.6   | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 5.6   | 5.4                   |
| S                       |       | 2.4   | 3.2    |         |         |         |         |         |         |         |      | 5.6   | 7.6                   |
| SSW                     | 1.6   | 2.4   |        |         |         |         |         |         |         |         |      | 4.0   | 4.2                   |
| SW                      | 1.6   | 4.0   | 1.6    | 1.6     |         |         |         |         |         |         |      | 8.9   | 6.3                   |
| WSW                     |       | 4.8   | 7.3    | .8      |         |         |         |         |         |         |      | 12.9  | 7.2                   |
| W                       | .8    | 3.6   | 5.6    |         |         |         |         |         |         |         |      | 12.1  | 6.5                   |
| WNW                     | .8    | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 4.8   | 5.3                   |
| NW                      |       | 1.6   |        | .8      |         |         |         |         |         |         |      | 1.6   | 4.5                   |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      | .8    | 7.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      | 8.1   |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 16.9  | 35.3  | 32.3   | 7.3     |         |         |         |         |         |         |      | 100.0 | 5.8                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA

73-76

STATION NAME

YEARS

JUL

MONTH

13

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 4.0   | 6.0                   |
| NNE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| NE                      | .8    | 1.6   | .8     |         |         |         |         |         |         |         |      | 3.2   | 5.8                   |
| ENE                     |       | .8    | 2.4    |         |         |         |         |         |         |         |      | 3.2   | 7.5                   |
| E                       |       |       | 4.0    |         |         |         |         |         |         |         |      | 4.0   | 9.0                   |
| ESE                     | .8    |       | 2.4    | 1.6     |         |         |         |         |         |         |      | 4.8   | 8.2                   |
| SE                      | 2.4   | 2.4   | 1.6    | 1.6     |         |         |         |         |         |         |      | 8.1   | 6.2                   |
| SSE                     |       | 1.6   | 8.1    | 3.2     |         |         |         |         |         |         |      | 12.9  | 9.4                   |
| S                       | 1.6   | 5.6   | 5.6    | 2.4     |         |         |         |         |         |         |      | 15.3  | 7.5                   |
| SSW                     |       | 1.6   | 2.4    | 1.6     |         |         |         |         |         |         |      | 5.6   | 8.7                   |
| SW                      |       | 1.6   | 3.2    | 1.6     |         |         |         |         |         |         |      | 6.5   | 8.0                   |
| WSW                     | .8    | 1.6   | 5.6    | 1.6     | .8      |         |         |         |         |         |      | 10.5  | 8.8                   |
| W                       | 2.4   | 3.2   | 3.2    | .8      |         |         |         |         |         |         |      | 9.7   | 5.7                   |
| WNW                     | .8    | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 4.8   | 5.8                   |
| NW                      |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 6.5                   |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.8   |                       |
|                         | 10.5  | 25.0  | 44.4   | 14.5    | .8      |         |         |         |         |         |      | 100.0 | 7.2                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NAUSE

73-76

STATION NAME

YEARS

JUL

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

MMMM

5702 SURFACE WINDS JAN 68

1234-18766

MM

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNE                     |       | 1.6   | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.7                   |
| NE                      | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 2.5                   |
| ENE                     |       |       | 2.4    |         | .8      |         |         |         |         |         |      | 3.2   | 11.8                  |
| E                       |       |       | 6.5    | .8      |         |         |         |         |         |         |      | 7.3   | 8.4                   |
| ESE                     | .8    | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 5.6   | 6.3                   |
| SE                      | .8    |       | 4.0    | 2.4     |         |         |         |         |         |         |      | 7.3   | 9.0                   |
| SSE                     |       | 4.0   | 8.1    | 1.6     |         |         |         |         |         |         |      | 13.7  | 8.2                   |
| S                       | .8    | 5.6   | 6.5    | 7.3     | 1.6     |         |         |         |         |         |      | 21.3  | 9.7                   |
| SSW                     | .8    | .8    | 4.8    | 3.2     | 1.6     |         |         |         |         |         |      | 11.3  | 10.3                  |
| SW                      | .8    | 3.2   | 1.6    | 1.6     |         |         |         |         |         |         |      | 7.3   | 7.9                   |
| WSW                     |       |       | 3.2    | .8      |         |         |         |         |         |         |      | 4.0   | 8.4                   |
| W                       |       | 1.6   | 3.2    | 1.6     |         |         |         |         |         |         |      | 6.5   | 8.8                   |
| WNW                     |       | .8    | 3.2    |         |         |         |         |         |         |         |      | 4.0   | 8.2                   |
| NW                      |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 8.0                   |
| NNW                     |       |       | .8     |         | .8      |         |         |         |         |         |      | 1.6   | 12.5                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 1.6   |                       |
|                         | 4.8   | 21.0  | 48.4   | 19.4    | 4.8     |         |         |         |         |         |      | 100.0 | 8.6                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

JUL

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 9.0                   |
| NNE                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 4.7                   |
| NE                      | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 4.0                   |
| ENE                     |       | .8    | 1.6    |         |         |         |         |         |         |         |      | 2.4   | 8.3                   |
| E                       | .8    | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 4.0   | 5.6                   |
| ESE                     | .8    | 2.4   | 2.4    | .8      |         |         |         |         |         |         |      | 6.5   | 7.3                   |
| SE                      | .8    | 4.0   | 4.0    |         |         |         |         |         |         |         |      | 8.9   | 5.9                   |
| SSE                     |       | 2.4   | 3.2    | .8      |         |         |         |         |         |         |      | 6.5   | 7.4                   |
| S                       | 1.6   | 7.3   | 8.9    | 2.4     |         |         |         |         |         |         |      | 20.2  | 7.2                   |
| SSW                     |       | 6.5   | 8.9    | 5.6     |         |         |         |         |         |         |      | 21.0  | 8.8                   |
| SW                      |       | 1.6   | 5.6    | 2.4     |         |         |         |         |         |         |      | 9.7   | 9.3                   |
| WSW                     |       | .8    | 3.2    | .8      |         |         |         |         |         |         |      | 4.8   | 7.8                   |
| W                       | .8    | 2.4   |        | .8      |         |         |         |         |         |         |      | 4.0   | 6.2                   |
| WNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNW                     |       | 2.4   |        |         |         |         |         |         |         |         |      | 2.4   | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.9   |                       |
|                         | 6.5   | 33.9  | 41.1   | 13.7    |         |         |         |         |         |         |      | 100.0 | 7.1                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION NAME  
CHARLESTON, SOUTH CAROLINA NNSE

73-76

YEARS

JUL

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 1.6   |        |         |         |         |         |         |         |         |      | 1.6   | 4.0                   |
| NNE                     | 1.6   | 3.2   |        |         |         |         |         |         |         |         |      | 4.8   | 4.2                   |
| NE                      | 2.4   |       |        |         |         |         |         |         |         |         |      | 2.4   | 2.3                   |
| ENE                     | 2.4   | 2.4   |        |         |         |         |         |         |         |         |      | 4.6   | 3.3                   |
| E                       | .8    | 3.2   |        |         |         |         |         |         |         |         |      | 4.0   | 3.6                   |
| ESE                     | 3.2   | .8    |        |         | .8      |         |         |         |         |         |      | 4.8   | 5.3                   |
| SE                      | 2.4   | .8    |        |         |         |         |         |         |         |         |      | 3.2   | 3.0                   |
| SSE                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 6.3                   |
| S                       | 3.2   | 8.1   | 2.4    | .8      |         |         |         |         |         |         |      | 13.7  | 4.8                   |
| SSW                     | 4.0   | 10.5  | 9.7    |         |         |         |         |         |         |         |      | 24.2  | 5.9                   |
| SW                      | .8    | 6.5   | 5.6    | .8      |         |         |         |         |         |         |      | 13.7  | 6.5                   |
| WSW                     | 1.6   | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 5.6   | 5.4                   |
| W                       |       |       | 1.6    |         |         |         |         |         |         |         |      | 1.6   | 7.0                   |
| WNW                     |       |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.3                   |
| NW                      | 1.6   |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 11.3  |                       |
|                         | 24.2  | 39.5  | 22.6   | 1.6     | .8      |         |         |         |         |         |      | 100.0 | 4.6                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

JUL

MONTH

ALL

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | 1.5   | .3     | .2      |         |         |         |         |         |         |      | 3.8   | 4.7                   |
| NNE                     | 1.3   | 2.2   | .8     | .1      |         |         |         |         |         |         |      | 4.6   | 4.8                   |
| NE                      | 1.9   | 1.5   | .4     | .1      |         |         |         |         |         |         |      | 3.9   | 4.2                   |
| ENE                     | 1.1   | 1.2   | 1.0    | .2      | .1      |         |         |         |         |         |      | 3.6   | 5.1                   |
| E                       | .7    | .7    | 2.0    | .2      |         |         |         |         |         |         |      | 3.6   | 6.7                   |
| ESE                     | .9    | 1.1   | 1.0    | .4      | .1      |         |         |         |         |         |      | 3.5   | 6.6                   |
| SE                      | .8    | 1.2   | 1.4    | .5      |         |         |         |         |         |         |      | 3.9   | 6.4                   |
| SSE                     | .3    | 1.3   | 2.9    | .9      |         |         |         |         |         |         |      | 5.4   | 8.1                   |
| S                       | 2.0   | 4.1   | 3.8    | 1.6     | .2      |         |         |         |         |         |      | 11.8  | 7.0                   |
| SSW                     | 1.8   | 4.2   | 3.8    | 1.5     | .2      |         |         |         |         |         |      | 11.6  | 6.9                   |
| SW                      | 1.3   | 4.2   | 3.6    | 1.2     |         |         |         |         |         |         |      | 10.4  | 6.6                   |
| WSW                     | 1.5   | 3.1   | 3.2    | .7      | .1      |         |         |         |         |         |      | 8.7   | 6.5                   |
| W                       | 1.7   | 4.1   | 2.8    | .4      |         |         |         |         |         |         |      | 9.1   | 5.8                   |
| WNW                     | 1.2   | 1.0   | .9     |         |         |         |         |         |         |         |      | 3.1   | 4.9                   |
| NW                      | .5    | .6    | .4     | .1      |         |         |         |         |         |         |      | 1.6   | 5.7                   |
| NNW                     | .6    | .8    | .3     |         | .1      |         |         |         |         |         |      | 1.8   | 5.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 9.4   |                       |
|                         | 19.6  | 33.1  | 29.0   | 8.2     | .8      |         |         |         |         |         |      | 100.0 | 5.7                   |

TOTAL NUMBER OF OBSERVATIONS

992

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA

INUSED

73-76

YEARS

AUG  
MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 5.6   | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 9.7   | 4.3                   |
| NNE                     | 2.4   | 2.4   | 4.0    |         | .8      |         |         |         |         |         |      | 9.7   | 7.2                   |
| NE                      | .8    | 2.4   | .8     |         |         |         |         |         |         |         |      | 4.0   | 5.2                   |
| ENE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| E                       | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| ESE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| SE                      | .8    | 1.6   |        |         |         |         |         |         |         |         |      | 2.4   | 4.7                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | 5.6   | 1.6   |        |         |         |         |         |         |         |         |      | 7.3   | 3.2                   |
| SSW                     | 3.2   | 4.0   | 3.2    |         |         |         |         |         |         |         |      | 10.3  | 5.2                   |
| SW                      | 3.2   | 6.5   | 4.0    |         |         |         |         |         |         |         |      | 13.7  | 5.0                   |
| WSW                     | 3.2   | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 7.3   | 4.4                   |
| W                       | 4.0   | 3.2   |        |         |         |         |         |         |         |         |      | 7.3   | 3.4                   |
| WNW                     | 2.4   | .8    | .8     |         |         |         |         |         |         |         |      | 4.0   | 3.4                   |
| NW                      |       | 2.4   |        |         |         |         |         |         |         |         |      | 2.4   | 5.0                   |
| NNW                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 3.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 17.7  |                       |
|                         | 33.1  | 30.6  | 17.7   |         | .8      |         |         |         |         |         |      | 100.0 | 3.9                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSD 73-76

STATION NAME

YEARS

AUG  
MONTH04  
HOURS (L.S.T.)ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 5.6   | 4.8   | 2.4    | 2.4     |         |         |         |         |         |         |      | 15.3  | 5.9                   |
| NNE                     | 2.4   | 1.6   | 4.0    |         | .8      |         |         |         |         |         |      | 8.9   | 7.1                   |
| NE                      | 1.6   | 4.0   | .8     |         |         |         |         |         |         |         |      | 6.5   | 4.5                   |
| ENE                     | 1.6   |       |        |         |         |         |         |         |         |         |      | 1.6   | 3.0                   |
| E                       |       | 1.6   | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.7                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 9.0                   |
| S                       | 2.4   | 1.6   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.0                   |
| SSW                     | 1.6   | .8    | .8     |         |         |         |         |         |         |         |      | 3.2   | 5.0                   |
| SW                      | 3.2   | 2.4   | 3.2    |         |         |         |         |         |         |         |      | 8.9   | 5.2                   |
| WSW                     | .8    | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 5.6   | 5.7                   |
| W                       | 6.5   | 4.8   | 1.6    |         |         |         |         |         |         |         |      | 12.9  | 3.8                   |
| WNW                     | 2.4   | .8    | .8     |         |         |         |         |         |         |         |      | 4.0   | 3.4                   |
| NW                      | 2.4   | .8    | .8     |         |         |         |         |         |         |         |      | 4.0   | 4.2                   |
| NNW                     | 2.4   | .8    | 1.6    |         |         |         |         |         |         |         |      | 4.8   | 4.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 16.1  |                       |
|                         | 33.1  | 26.6  | 21.0   | 2.4     | .8      |         |         |         |         |         |      | 100.0 | 4.3                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

AUG

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 6.5   | 10.5  | 2.4    | 1.6     |         |         |         |         |         |         |      | 21.0  | 5.5                   |
| NNE                     | 1.6   | 4.0   | 3.2    | 1.6     | .8      |         |         |         |         |         |      | 11.3  | 7.7                   |
| NE                      | 2.4   | 1.6   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.0                   |
| ENE                     | 2.4   |       |        |         |         |         |         |         |         |         |      | 2.4   | 2.7                   |
| E                       | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 3.5                   |
| ESE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 2.0                   |
| SE                      | 1.6   |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.5                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 7.0                   |
| SSW                     |       |       | 1.6    |         |         |         |         |         |         |         |      | 1.6   | 8.5                   |
| SW                      | 2.4   | 3.2   | .8     |         |         |         |         |         |         |         |      | 6.5   | 4.3                   |
| WSW                     | .8    | 3.2   | 2.4    | .8      |         |         |         |         |         |         |      | 7.3   | 6.2                   |
| W                       | 3.2   | 6.5   | 1.6    |         |         |         |         |         |         |         |      | 11.3  | 4.5                   |
| WNW                     | 3.2   | 2.4   |        |         |         |         |         |         |         |         |      | 5.0   | 3.1                   |
| NW                      | 2.4   | 4.8   |        |         |         |         |         |         |         |         |      | 7.3   | 4.0                   |
| NNW                     | 3.2   | .8    |        |         |         |         |         |         |         |         |      | 4.0   | 2.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 11.3  |                       |
|                         | 31.2  | 38.7  | 13.7   | 4.0     | .8      |         |         |         |         |         |      | 100.0 | 4.5                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NMSE 73-76

STATION NAME

YEARS

AUG  
MONTH10  
HOURS (L.S.T.)ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.0   | 5.6   | 1.6    | .8      |         |         |         |         |         |         |      | 12.1  | 5.1                   |
| NNE                     | 2.4   | 4.8   | .8     | 1.6     | .8      |         |         |         |         |         |      | 10.5  | 6.8                   |
| NE                      |       | 4.8   | .8     | 1.6     |         |         |         |         |         |         |      | 7.3   | 7.1                   |
| ENE                     | .8    | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 5.6   | 5.9                   |
| E                       | .8    | 2.4   | .8     | .8      |         |         |         |         |         |         |      | 4.8   | 6.5                   |
| ESE                     |       |       | 1.6    |         |         |         |         |         |         |         |      | 1.6   | 8.0                   |
| SE                      |       | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 6.3                   |
| SSE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 7.0                   |
| S                       | .8    | .8    |        |         | .8      |         |         |         |         |         |      | 2.4   | 9.7                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      | .8    | 1.6   | 1.6    | 1.6     |         |         |         |         |         |         |      | 5.6   | 7.6                   |
| WSW                     | 1.6   | 2.4   | 4.0    |         |         |         |         |         |         |         |      | 8.1   | 6.0                   |
| W                       | 3.2   | 4.8   | 3.2    |         |         |         |         |         |         |         |      | 11.3  | 4.8                   |
| WNW                     | 3.2   | .8    | 2.4    |         |         |         |         |         |         |         |      | 6.5   | 5.0                   |
| NW                      | 1.6   | 1.6   | .8     |         |         |         |         |         |         |         |      | 4.0   | 4.2                   |
| NNW                     | 1.6   | .8    | 1.6    |         |         |         |         |         |         |         |      | 4.0   | 5.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 12.1  |                       |
|                         | 21.0  | 34.7  | 24.2   | 6.5     | 1.6     |         |         |         |         |         |      | 100.0 | 5.3                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA

73-76

STATION NAME

YEARS

AUG

MONTH

13

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

HMM

5702 SURFACE WINDS JAN 68

1234-18766

HMP

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.2   | 2.4   | .8     |         |         |         |         |         |         |         |      | 6.5   | 4.6                   |
| NNE                     | .8    | 4.8   | 2.4    | .8      |         |         |         |         |         |         |      | 8.9   | 7.0                   |
| NE                      | 1.6   | .8    | 2.4    | 1.6     |         |         |         |         |         |         |      | 6.5   | 8.1                   |
| ENE                     |       | 2.4   | .8     | .8      |         |         |         |         |         |         |      | 4.0   | 7.0                   |
| E                       |       | 4.0   | 1.6    | .8      |         |         |         |         |         |         |      | 6.5   | 6.8                   |
| ESE                     |       | .8    | 2.4    |         |         |         |         |         |         |         |      | 3.2   | 7.0                   |
| SE                      | .8    | 3.2   | 1.6    | .8      |         |         |         |         |         |         |      | 6.5   | 6.1                   |
| SSE                     | 1.6   | 2.4   | 4.0    | 4.8     |         |         |         |         |         |         |      | 12.9  | 9.1                   |
| S                       | 2.4   | 4.8   | 4.8    |         |         |         |         |         |         |         |      | 12.1  | 5.5                   |
| SSW                     | .8    | 1.6   | 4.0    | .8      |         |         |         |         |         |         |      | 7.3   | 7.7                   |
| SW                      | .8    | 1.6   | 3.2    | 3.2     |         |         |         |         |         |         |      | 8.9   | 8.8                   |
| WSW                     | .8    | 2.4   | .8     |         |         |         |         |         |         |         |      | 4.0   | 4.6                   |
| W                       | .8    | 1.6   | 3.2    |         |         |         |         |         |         |         |      | 5.6   | 6.6                   |
| WNW                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 6.0                   |
| NW                      |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 5.5                   |
| NNW                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 6.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.0   |                       |
|                         | 13.7  | 35.5  | 33.1   | 12.9    | .8      |         |         |         |         |         |      | 100.0 | 6.7                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NA5ED

73-76

YEARS

AUG

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .8    |        | 1.6     |         |         |         |         |         |         |      | 2.4   | 9.0                   |
| NNE                     |       | 1.6   | .8     |         |         |         |         |         |         |         |      | 2.4   | 6.3                   |
| NE                      |       | .8    | 1.6    | 2.4     | .8      |         |         |         |         |         |      | 5.6   | 10.6                  |
| ENE                     | 1.6   | .8    |        | .8      |         |         |         |         |         |         |      | 3.2   | 6.0                   |
| E                       |       | 1.6   | 6.5    | 2.4     |         |         |         |         |         |         |      | 10.5  | 8.2                   |
| ESE                     |       | 1.6   | 2.4    | .8      |         |         |         |         |         |         |      | 4.8   | 7.8                   |
| SE                      | .8    | .8    | 1.6    | .8      |         |         |         |         |         |         |      | 4.0   | 7.0                   |
| SSE                     |       | .8    | 11.3   | 4.8     |         |         |         |         |         |         |      | 16.9  | 9.2                   |
| S                       | .8    | 3.2   | 10.5   | 4.0     |         |         |         |         |         |         |      | 18.5  | 8.4                   |
| SSW                     |       | 2.4   | 4.0    | 4.8     |         |         | .8      |         |         |         |      | 12.1  | 11.7                  |
| SW                      | .8    | 3.2   | 4.0    | 2.4     |         |         |         |         |         |         |      | 10.5  | 7.7                   |
| WSW                     |       |       | 2.4    |         |         |         |         |         |         |         |      | 2.4   | 8.3                   |
| W                       |       | .8    | 1.6    |         |         |         |         |         |         |         |      | 2.4   | 7.3                   |
| WNW                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 3.5                   |
| NW                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| NNW                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 7.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .8    |                       |
|                         | 4.8   | 20.2  | 47.6   | 25.0    | .8      |         | .8      |         |         |         |      | 100.0 | 8.6                   |

TOTAL NUMBER OF OBSERVATIONS

124

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE  
STATION NAME

73-76  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

MMMM

5702 SURFACE WINDS JAN 68

1234-18766

MMMM

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 4.0   | 5.2                   |
| NNE                     | 1.6   |       |        |         | .8      |         |         |         |         |         |      | 2.4   | 8.3                   |
| NE                      | 1.6   | 2.4   |        |         |         |         |         |         |         |         |      | 4.0   | 3.8                   |
| ENE                     |       | 1.6   |        | 1.6     |         |         |         |         |         |         |      | 3.2   | 9.5                   |
| E                       |       | 4.8   | 2.4    |         |         |         |         |         |         |         |      | 7.3   | 5.7                   |
| ESE                     | 1.6   | 4.0   | .8     |         |         |         |         |         |         |         |      | 6.5   | 3.1                   |
| SE                      | 1.6   | 4.0   |        |         |         |         |         |         |         |         |      | 5.6   | 4.1                   |
| SSE                     | .8    | 4.0   | 4.0    |         |         |         |         |         |         |         |      | 8.9   | 6.3                   |
| S                       | 1.6   | 9.7   | 7.3    | 2.4     |         |         |         |         |         |         |      | 21.0  | 6.4                   |
| SSW                     | 1.6   | 4.0   | 8.9    | 2.4     | .8      |         |         |         |         |         |      | 17.7  | 8.1                   |
| SW                      |       | 1.6   | 3.2    | .8      |         |         |         |         |         |         |      | 5.6   | 7.7                   |
| WSW                     |       | 4.0   | .8     |         |         |         |         |         |         |         |      | 4.8   | 5.3                   |
| W                       |       | .8    | .8     |         |         |         |         |         |         |         |      | .8    | 6.0                   |
| WNW                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 6.0                   |
| NW                      |       |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| NNW                     | .8    |       |        |         |         |         |         |         |         |         |      |       |                       |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 5.6   |                       |
|                         | 11.3  | 44.4  | 29.8   | 7.3     | 1.6     |         |         |         |         |         |      | 100.0 | 6.0                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13750 CHARLESTON, SOUTH CAROLINA NWSE 73-76 AUG MONTH  
YEARS

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 7.3   | 5.4                   |
| NNE                     |       | 2.4   | 2.4    | .8      |         |         |         |         |         |         |      | 5.6   | 8.1                   |
| NE                      | 4.8   | 1.6   |        |         |         |         |         |         |         |         |      | 6.5   | 2.8                   |
| ENE                     | 1.6   | 3.2   |        |         |         |         |         |         |         |         |      | 4.8   | 3.8                   |
| E                       | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.6   | 3.0                   |
| ESE                     | 1.6   |       |        |         |         |         |         |         |         |         |      | 1.6   | 3.0                   |
| SE                      | .8    | 3.2   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.5                   |
| SSE                     | 1.6   |       | .8     |         |         |         |         |         |         |         |      | 2.4   | 4.3                   |
| S                       | 3.2   | 7.3   | 2.4    |         |         |         |         |         |         |         |      | 12.9  | 4.8                   |
| SSW                     | 4.0   | 7.3   | 5.6    | 2.4     |         |         |         |         |         |         |      | 19.4  | 6.1                   |
| SW                      | 3.2   | 4.0   | 1.6    |         |         |         |         |         |         |         |      | 8.9   | 4.2                   |
| WSW                     | .8    | 2.4   | 3.2    |         |         |         |         |         |         |         |      | 6.5   | 5.9                   |
| W                       |       | 1.6   | .8     |         |         |         |         |         |         |         |      | 2.4   | 6.0                   |
| WNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NW                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| NNW                     | 1.6   | 1.6   | .8     |         |         |         |         |         |         |         |      | 4.0   | 4.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.5  |                       |
|                         | 26.6  | 37.9  | 21.8   | 3.2     |         |         |         |         |         |         |      | 100.0 | 4.6                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1978

STATION

CHARLESTON, SOUTH CAROLINA NWS

73-76

STATION NAME

YEARS

AUG

MONTH

ALL

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.4   | 3.8   | 1.7    | .8      |         |         |         |         |         |         |      | 9.8   | 5.4                   |
| NNE                     | 1.4   | 2.7   | 2.2    | .5      | .6      |         |         |         |         |         |      | 7.5   | 7.3                   |
| NE                      | 1.6   | 2.3   | .9     | .7      | .1      |         |         |         |         |         |      | 5.6   | 5.6                   |
| ENE                     | 1.0   | 1.4   | .4     | .4      |         |         |         |         |         |         |      | 3.2   | 5.6                   |
| E                       | .4    | 1.9   | 1.6    | .5      |         |         |         |         |         |         |      | 4.4   | 6.3                   |
| ESE                     | .5    | .9    | .9     | .1      |         |         |         |         |         |         |      | 2.4   | 6.0                   |
| SE                      | .8    | 1.8   | .7     | .2      |         |         |         |         |         |         |      | 3.3   | 5.3                   |
| SSE                     | .5    | .9    | 2.7    | 1.2     |         |         |         |         |         |         |      | 5.3   | 8.2                   |
| S                       | 2.1   | 3.7   | 3.3    | .8      | .1      |         |         |         |         |         |      | 10.1  | 6.2                   |
| SSW                     | 1.4   | 2.5   | 3.5    | 1.3     | .1      |         | .1      |         |         |         |      | 9.0   | 7.6                   |
| SW                      | 1.8   | 3.0   | 2.7    | 1.0     |         |         |         |         |         |         |      | 8.6   | 6.2                   |
| WSW                     | 1.0   | 2.3   | 2.3    | .1      |         |         |         |         |         |         |      | 5.7   | 5.7                   |
| W                       | 2.2   | 3.0   | 1.5    |         |         |         |         |         |         |         |      | 6.8   | 4.7                   |
| WNW                     | 1.5   | .9    | .6     |         |         |         |         |         |         |         |      | 3.0   | 4.0                   |
| NW                      | .8    | 1.3   | .3     |         |         |         |         |         |         |         |      | 2.6   | 4.3                   |
| NNW                     | 1.3   | .7    | .6     |         |         |         |         |         |         |         |      | 2.6   | 4.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 9.8   |                       |
|                         | 21.9  | 33.6  | 26.1   | 7.7     | .9      |         | .1      |         |         |         |      | 100.0 | 5.5                   |

TOTAL NUMBER OF OBSERVATIONS

992



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NU50 73-76

STATION NAME

YEARS

SEP

MONTH

01

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.2   | 3.3   | 3.3    | 3.3     |         |         |         |         |         |         |      | 14.2  | 7.4                   |
| NNE                     | 5.0   | .8    | 5.8    | .8      |         |         |         |         |         |         |      | 12.5  | 6.5                   |
| NE                      | 2.5   | 1.7   |        |         |         |         |         |         |         |         |      | 4.2   | 3.6                   |
| ENE                     |       | 2.5   | .8     |         |         |         |         |         |         |         |      | 3.3   | 6.0                   |
| E                       |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.7   | 7.5                   |
| ESE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 2.0                   |
| SE                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| SSE                     | .8    |       |        | .8      |         |         |         |         |         |         |      | 1.7   | 8.0                   |
| S                       | .8    | .8    | 1.7    | .8      |         |         |         |         |         |         |      | 4.2   | 7.6                   |
| SSW                     | 1.7   | 1.7   | .8     |         |         |         |         |         |         |         |      | 4.2   | 4.6                   |
| SW                      | 1.7   | 5.0   | 1.7    |         |         |         |         |         |         |         |      | 8.3   | 3.0                   |
| WSW                     | 1.7   |       |        | .8      |         |         |         |         |         |         |      | 2.5   | 6.3                   |
| W                       | 3.3   | 2.5   |        | .8      |         |         |         |         |         |         |      | 6.7   | 4.4                   |
| WNW                     | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 3.7                   |
| NW                      | 1.7   | 1.7   | 1.7    | .8      |         |         |         |         |         |         |      | 3.3   | 3.8                   |
| NNW                     |       |       |        |         |         |         |         |         |         |         |      | 2.5   | 8.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 26.7  |                       |
|                         | 25.8  | 22.5  | 16.7   | 8.3     |         |         |         |         |         |         |      | 100.0 | 4.3                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13758 CHARLESTON, SOUTH CAROLINA NAME 73-76 YEARS SEP  
MONTH 04  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6  | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| N                       | 6.7  | 3.3  | 4.2  | 3.3   | 1.7   |       |       |       |       |       |     | 19.2  | 7.7                   |
| NNE                     | 2.5  | 3.3  | 3.3  | 1.7   |       |       |       |       |       |       |     | 10.8  | 6.8                   |
| NE                      | 1.7  | 2.5  | 1.7  | .8    |       |       |       |       |       |       |     | 6.7   | 6.6                   |
| ENE                     | .8   | .8   |      |       |       |       |       |       |       |       |     | 1.7   | 4.5                   |
| E                       |      | .8   |      |       |       |       |       |       |       |       |     | .8    | 3.0                   |
| ESE                     | .8   |      |      |       |       |       |       |       |       |       |     | .8    | 3.0                   |
| SE                      |      |      |      |       |       |       |       |       |       |       |     |       |                       |
| SSE                     | .8   |      |      |       |       |       |       |       |       |       |     | .8    | 3.0                   |
| S                       | .8   | .8   | .8   | .8    |       |       |       |       |       |       |     | 2.5   | 7.0                   |
| SSW                     | 1.7  | .8   | .8   |       |       |       |       |       |       |       |     | 3.3   | 4.8                   |
| SW                      | 2.5  | 2.5  | 1.7  |       |       |       |       |       |       |       |     | 5.0   | 4.3                   |
| WSW                     | 2.5  | 3.3  | 1.7  |       |       |       |       |       |       |       |     | 7.5   | 4.4                   |
| W                       | 4.2  | .8   |      |       |       |       |       |       |       |       |     | 5.0   | 3.0                   |
| WNW                     | 1.7  | 1.7  |      |       |       |       |       |       |       |       |     | 3.3   | 3.5                   |
| NW                      | 3.3  | 2.5  |      |       |       |       |       |       |       |       |     | 5.8   | 3.7                   |
| NNW                     | 2.5  | 1.7  | 1.7  |       |       |       |       |       |       |       |     | 5.8   | 4.9                   |
| VARBL                   |      |      |      |       |       |       |       |       |       |       |     | 20.8  |                       |
| CALM                    |      |      |      |       |       |       |       |       |       |       |     | 100.0 | 4.5                   |
|                         | 32.5 | 25.0 | 13.3 | 6.7   | 1.7   |       |       |       |       |       |     |       |                       |

TOTAL NUMBER OF OBSERVATIONS

120

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

4423

HHMM

1234-18766

5702 SURFACE WINDS JAN 68

HHMM

13753

CHARLESTON, SOUTH CAROLINA NUSED

73-76

STATION NAME

YEARS

SEP

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 10.0  | 10.8  | 6.7    | 3.3     |         |         |         |         |         |         |      | 30.8  | 5.9                   |
| NNE                     | 2.5   | 2.5   | 6.7    | 5.0     |         |         |         |         |         |         |      | 16.7  | 8.2                   |
| NE                      | 1.7   | 1.7   |        | .8      |         |         |         |         |         |         |      | 4.2   | 4.8                   |
| ENE                     | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.0                   |
| E                       | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.7   | 5.0                   |
| ESE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 7.0                   |
| SE                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| SSE                     |       | 1.7   | .8     |         |         |         |         |         |         |         |      | 2.3   | 5.3                   |
| S                       |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| SSW                     | .8    | 3.3   |        |         |         |         |         |         |         |         |      | 4.2   | 4.4                   |
| SW                      | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 3.7                   |
| WSW                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.5   | 4.3                   |
| W                       | 3.3   | 3.3   | .8     |         |         |         |         |         |         |         |      | 7.5   | 4.1                   |
| WNW                     | 2.5   | 2.5   |        |         |         |         |         |         |         |         |      | 5.0   | 3.7                   |
| NW                      | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 4.5                   |
| NNW                     | .8    | 4.2   | .8     |         |         |         |         |         |         |         |      | 3.8   | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.8  |                       |
|                         | 27.5  | 34.2  | 18.3   | 9.2     |         |         |         |         |         |         |      | 100.0 | 5.0                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NU5ED 73-76

STATION NAME

YEARS

SEP

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

MMH

HHP

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.2   | 3.3   | 5.0    | 2.5     |         |         |         |         |         |         |      | 15.0  | 6.8                   |
| NNE                     |       | 2.5   | 7.5    | 2.5     |         |         |         |         |         |         |      | 12.5  | 8.7                   |
| NE                      | 2.5   | 2.5   | 3.3    | 2.5     | 1.7     |         |         |         |         |         |      | 12.5  | 8.9                   |
| ENE                     |       | 3.3   |        | 1.7     |         |         |         |         |         |         |      | 5.0   | 8.2                   |
| E                       |       | 3.3   | 2.5    |         |         |         |         |         |         |         |      | 5.0   | 5.7                   |
| ESE                     |       | .8    | 2.5    |         |         |         |         |         |         |         |      | 3.3   | 8.0                   |
| SE                      |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 5.0                   |
| SSE                     | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 3.7                   |
| S                       | .8    | .8    | 4.2    | .8      |         |         |         |         |         |         |      | 5.8   | 7.0                   |
| SSW                     |       | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 9.5                   |
| SW                      |       | 1.7   | .8     |         |         |         |         |         |         |         |      | 2.5   | 6.3                   |
| WSW                     |       | 1.7   | 2.5    |         |         |         |         |         |         |         |      | 4.2   | 7.2                   |
| W                       | .8    | 2.5   | 1.7    |         |         |         |         |         |         |         |      | 5.0   | 5.8                   |
| WNW                     | .8    | 1.7   | .8     |         |         |         |         |         |         |         |      | 3.3   | 5.5                   |
| NW                      | 1.7   | .8    | .8     |         |         |         |         |         |         |         |      | 3.3   | 4.8                   |
| NNW                     | 1.7   | 2.5   | 1.7    |         |         |         |         |         |         |         |      | 5.8   | 5.1                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.0  |                       |
|                         | 14.2  | 30.8  | 33.3   | 10.0    | 1.7     |         |         |         |         |         |      | 100.0 | 6.4                   |

TOTAL NUMBER OF OBSERVATIONS

120



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13752 CHARLESTON, SOUTH CAROLINA NMSE 73-76 YEARS SEP MONTH 13 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.5   | 5.0   | 2.5    | 3.3     | .8      |         |         |         |         |         |      | 14.2  | 7.8                   |
| NNE                     | .8    |       | 1.7    | .8      |         |         |         |         |         |         |      | 3.3   | 8.8                   |
| NE                      | .8    | 5.0   | 2.5    | 1.7     |         |         |         |         |         |         |      | 10.0  | 7.1                   |
| ENE                     | .8    | 3.3   | 1.7    | 2.5     |         |         |         |         |         |         |      | 8.3   | 7.7                   |
| E                       |       | 2.5   | 5.8    | .8      |         |         |         |         |         |         |      | 9.2   | 6.5                   |
| ESE                     |       | 2.5   | 1.7    | .8      |         |         |         |         |         |         |      | 5.0   | 7.0                   |
| SE                      |       | .8    | 2.5    | .8      |         |         |         |         |         |         |      | 4.2   | 8.4                   |
| SSE                     | 1.7   | 2.5   | 4.2    | 2.5     |         |         |         |         |         |         |      | 10.8  | 7.8                   |
| S                       | .8    | 1.7   | 5.0    | 1.7     | .8      |         |         |         |         |         |      | 10.0  | 9.4                   |
| SSW                     | .8    | 3.3   | .8     | 2.5     |         |         |         |         |         |         |      | 7.5   | 7.4                   |
| SW                      | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.5   | 5.7                   |
| WSW                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.5   | 5.7                   |
| W                       |       | 1.7   | 4.2    | .8      |         |         |         |         |         |         |      | 6.7   | 8.0                   |
| WNW                     | .8    | 1.7   |        |         |         |         |         |         |         |         |      | 2.5   | 3.7                   |
| NW                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NNW                     | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 3.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 1.7   |                       |
|                         | 12.5  | 31.7  | 34.2   | 18.3    | 1.7     |         |         |         |         |         |      | 100.0 | 7.5                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

19758

CHARLESTON, SOUTH CAROLINA NU5ED

72-75

YEARS

SEP

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 3.3   | 3.3    | .8      | 1.7     |         |         |         |         |         |      | 9.2   | 9.5                   |
| NNE                     | .8    | .8    | 1.7    | 3.3     |         |         |         |         |         |         |      | 6.7   | 10.0                  |
| NE                      | .8    | 2.5   | 1.7    | .8      |         |         |         |         |         |         |      | 5.8   | 7.1                   |
| ENE                     |       | 1.7   | 1.7    | .8      | .8      |         |         |         |         |         |      | 5.0   | 10.2                  |
| E                       |       | 4.2   | 4.2    | 3.3     |         |         |         |         |         |         |      | 11.7  | 8.4                   |
| ESE                     | 1.7   | .8    | 5.0    | 1.7     |         |         |         |         |         |         |      | 9.2   | 7.9                   |
| SE                      |       | 3.3   | .8     | .8      |         |         |         |         |         |         |      | 5.0   | 6.7                   |
| SSE                     |       | 3.3   | 2.5    | 1.7     |         |         |         |         |         |         |      | 12.5  | 6.6                   |
| S                       | 1.7   | 1.7   | 9.2    | 2.5     | .8      |         |         |         |         |         |      | 15.8  | 8.5                   |
| SSW                     |       | 1.7   | 2.5    |         |         |         |         |         |         |         |      | 4.2   | 7.6                   |
| SW                      | .8    |       | 2.5    | .8      | .8      |         |         |         |         |         |      | 5.0   | 9.5                   |
| WSW                     | .8    | .8    | .8     | 2.5     |         |         |         |         |         |         |      | 5.0   | 9.8                   |
| W                       | .8    |       | .8     | .8      |         |         |         |         |         |         |      | 2.5   | 7.3                   |
| WNW                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 7.0                   |
| NW                      | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 2.0                   |
| NNW                     |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 11.0                  |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .0    |                       |
|                         | 8.3   | 29.2  | 37.5   | 20.8    | 4.2     |         |         |         |         |         |      | 100.0 | 8.3                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13738

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

SEP

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | .8    | 3.3    | 4.2     |         |         |         |         |         |         |      | 8.3   | 10.2                  |
| NNE                     |       |       | 5.0    | .8      |         |         |         |         |         |         |      | 5.8   | 9.3                   |
| NE                      | 3.3   | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 6.7   | 4.9                   |
| ENE                     | 4.2   | 3.3   | 1.7    |         |         |         |         |         |         |         |      | 9.2   | 4.4                   |
| E                       | 5.0   | 5.0   | .8     |         |         |         |         |         |         |         |      | 10.8  | 4.3                   |
| ESE                     |       | 1.7   | .8     |         |         |         |         |         |         |         |      | 2.5   | 5.7                   |
| SE                      | 1.7   | 2.5   |        |         |         |         |         |         |         |         |      | 4.2   | 4.0                   |
| SSE                     | 3.3   | 5.8   | .8     | .8      |         |         |         |         |         |         |      | 10.8  | 5.2                   |
| S                       | 2.5   | 5.8   | 4.2    | .8      |         |         |         |         |         |         |      | 13.3  | 6.6                   |
| SSW                     | .8    | 4.2   | 3.3    | .8      |         |         |         |         |         |         |      | 9.2   | 6.7                   |
| SW                      | .8    | 5.0   | 1.7    | .8      |         |         |         |         |         |         |      | 8.3   | 6.2                   |
| WSW                     |       | 5.0   | .8     |         |         |         |         |         |         |         |      | 5.8   | 5.1                   |
| W                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NW                      | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 4.0                   |
| NNW                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 1.7   |                       |
|                         | 23.3  | 42.5  | 24.2   | 7.5     | .8      |         |         |         |         |         |      | 100.0 | 5.9                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1978

CHARLESTON, SOUTH CAROLINA NMSE

73-76

SEP

STATION NAME

YEARS

MONTH

ALL WEATHER

22

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | .8    | 2.5    | 1.7     |         |         |         |         |         |         |      | 6.7   | 7.8                   |
| NNE                     | 2.5   | 1.7   | 4.2    | 5.8     |         |         |         |         |         |         |      | 14.2  | 8.6                   |
| NE                      | 1.7   | 2.5   | .8     |         |         |         |         |         |         |         |      | 5.0   | 5.0                   |
| ENE                     | 3.3   | 1.7   |        | .8      |         |         |         |         |         |         |      | 5.8   | 4.3                   |
| E                       |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 4.0                   |
| ESE                     | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.0                   |
| SE                      | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.7   | 3.5                   |
| SSE                     | 2.5   | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 5.8   | 4.7                   |
| S                       |       | 2.5   | .8     |         | .8      |         |         |         |         |         |      | 4.2   | 8.4                   |
| SSW                     | 5.0   | 3.3   | 1.7    |         |         |         |         |         |         |         |      | 10.0  | 4.1                   |
| SW                      | 5.0   | 4.2   | 2.5    | .8      |         |         |         |         |         |         |      | 12.5  | 5.1                   |
| WSW                     | 1.7   | 1.7   | .8     |         |         |         |         |         |         |         |      | 4.2   | 4.2                   |
| W                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| WNW                     | .8    | 1.7   | .8     |         |         |         |         |         |         |         |      | 3.3   | 5.3                   |
| NW                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| NNW                     |       | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 3.3   | 6.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 19.2  |                       |
|                         | 26.7  | 25.8  | 18.3   | 9.2     | .8      |         |         |         |         |         |      | 100.0 | 4.7                   |

TOTAL NUMBER OF OBSERVATIONS

120



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSEF

73-76

YEARS

SEP

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

MMMF

5702 SURFACE WINDS JAN 68

1234-18766

MMMF

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.6   | 3.9   | 3.9    | 2.8     | .5      |         |         |         |         |         |      | 14.7  | 7.4                   |
| NNE                     | 1.8   | 1.5   | 4.5    | 2.6     |         |         |         |         |         |         |      | 10.3  | 8.1                   |
| NE                      | 1.9   | 2.5   | 1.5    | .8      | .2      |         |         |         |         |         |      | 6.9   | 6.5                   |
| ENE                     | 1.4   | 2.1   | .7     | .7      | .1      |         |         |         |         |         |      | 5.0   | 6.3                   |
| E                       | .7    | 2.3   | 1.9    | .5      |         |         |         |         |         |         |      | 5.4   | 6.7                   |
| ESE                     | .6    | .7    | 1.4    | .3      |         |         |         |         |         |         |      | 3.0   | 6.7                   |
| SE                      | .3    | 1.2   | .5     | .2      |         |         |         |         |         |         |      | 2.3   | 6.0                   |
| SSE                     | 1.4   | 2.6   | 1.2    | .7      |         |         |         |         |         |         |      | 5.9   | 6.1                   |
| S                       | .9    | 1.9   | 3.1    | .7      | .4      |         |         |         |         |         |      | 7.1   | 7.9                   |
| SSW                     | 1.4   | 2.4   | 1.2    | .5      |         |         |         |         |         |         |      | 5.5   | 5.9                   |
| SW                      | 1.7   | 2.5   | 1.2    | .3      | .1      |         |         |         |         |         |      | 5.8   | 5.7                   |
| WSW                     | 1.0   | 1.8   | 1.0    | .4      |         |         |         |         |         |         |      | 4.3   | 5.9                   |
| W                       | 1.6   | 1.4   | .9     | .3      |         |         |         |         |         |         |      | 4.2   | 5.3                   |
| WNW                     | 1.0   | 1.2   | .3     |         |         |         |         |         |         |         |      | 2.6   | 4.3                   |
| NW                      | 1.1   | .9    | .1     |         |         |         |         |         |         |         |      | 2.2   | 4.0                   |
| NNW                     | .9    | 1.4   | .9     | .2      |         |         |         |         |         |         |      | 3.4   | 5.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 11.4  |                       |
|                         | 21.4  | 30.2  | 24.5   | 11.2    | 1.4     |         |         |         |         |         |      | 100.0 | 5.8                   |

TOTAL NUMBER OF OBSERVATIONS

960

NAVWEASERVCOM

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13759  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

STATION NAME

YEARS

OCT

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

MMH

5702 SURFACE WINDS JAN 68

1234-18766

MMH

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.8   | 5.6   | 2.4    | 3.2     | .8      |         |         |         |         |         |      | 16.9  | 6.9                   |
| NNE                     | 2.4   | 5.6   | 5.6    | 4.0     |         |         |         |         |         |         |      | 17.7  | 7.5                   |
| NE                      | .8    | 4.0   |        | .8      |         |         |         |         |         |         |      | 5.6   | 5.1                   |
| ENE                     | 2.4   | 1.6   |        |         |         |         |         |         |         |         |      | 4.0   | 3.2                   |
| E                       | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| ESE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 6.0                   |
| SE                      |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 9.0                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       | .8    |        |         | .8      |         |         |         |         |         |      | 1.6   | 12.0                  |
| SSW                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.3                   |
| SW                      |       |       | 1.6    | .8      |         |         |         |         |         |         |      | 2.4   | 9.0                   |
| WSW                     | 1.6   | 1.6   | .8     |         |         |         |         |         |         |         |      | 4.0   | 4.0                   |
| W                       | 1.6   | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 6.5   | 5.1                   |
| WNW                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 5.5                   |
| NW                      | .8    | 3.2   | 1.6    |         |         |         |         |         |         |         |      | 5.6   | 5.7                   |
| NNW                     | 3.2   | 4.0   | 1.6    |         |         |         |         |         |         |         |      | 8.9   | 4.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 20.2  |                       |
|                         | 19.4  | 31.5  | 16.5   | 8.9     | 1.6     |         |         |         |         |         |      | 100.0 | 4.9                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NU50 73-76

STATION NAME

YEARS

DCT

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 6.3   | 10.5  | 1.6    | 4.0     |         |         |         |         |         |         |      | 22.6  | 6.0                   |
| NNE                     | .8    | 9.7   | 4.0    | 7.3     |         |         |         |         |         |         |      | 21.8  | 8.1                   |
| NE                      | 1.6   | .8    | .8     |         |         |         |         |         |         |         |      | 3.2   | 4.3                   |
| ENE                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 7.0                   |
| E                       | 1.6   |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.0                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 12.0                  |
| S                       | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 2.0                   |
| SSW                     |       | .8    |        | .8      |         |         |         |         |         |         |      | 1.6   | 11.5                  |
| SW                      | 1.6   | .8    | .8     |         |         |         |         |         |         |         |      | 3.2   | 5.3                   |
| WSW                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 7.3                   |
| W                       | 2.4   | 3.2   | 2.4    |         |         |         |         |         |         |         |      | 8.1   | 3.0                   |
| WNW                     | 1.6   | 4.0   | .8     |         |         |         |         |         |         |         |      | 6.3   | 4.9                   |
| NW                      | .8    | 1.6   | 3.2    |         |         |         |         |         |         |         |      | 5.6   | 6.4                   |
| NNW                     | 2.4   | 4.0   |        |         |         |         |         |         |         |         |      | 6.3   | 3.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.3  |                       |
|                         | 20.2  | 36.3  | 14.5   | 12.9    | .8      |         |         |         |         |         |      | 100.0 | 5.3                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

OCT

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 9.7   | 10.5  | 11.3   | 5.6     |         |         |         |         |         |         |      | 37.1  | 6.6                   |
| NNE                     | 3.2   | 4.6   | 4.0    | 6.5     |         |         |         |         |         |         |      | 18.5  | 7.9                   |
| NE                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| ENE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| E                       |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        | 1.6     |         |         |         |         |         |         |      | 1.6   | 13.0                  |
| S                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       | 1.6   |        |         |         |         |         |         |         |         |      | 1.6   | 4.0                   |
| WSW                     |       | .8    | 1.6    |         |         |         |         |         |         |         |      | 2.4   | 7.7                   |
| W                       | 1.6   | 2.4   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.3                   |
| WNW                     | 3.2   | 4.0   | 4.0    |         |         |         |         |         |         |         |      | 11.3  | 5.5                   |
| NW                      | 1.6   | 1.6   | .8     |         |         |         |         |         |         |         |      | 4.0   | 4.0                   |
| NNW                     | 3.2   | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 7.3   | 4.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      | 8.9   |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      |       |                       |
|                         | 22.6  | 30.6  | 24.2   | 13.7    |         |         |         |         |         |         |      | 100.0 | 5.8                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13738

STATION NAME  
CHARLESTON, SOUTH CAROLINA NMSE

73-75

YEARS

OCT

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

HMM

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 8.1   | 4.0    | 4.8     | 1.6     | .8      |         |         |         |         |      | 21.8  | 9.1                   |
| NNE                     | 2.4   | 5.6   | 4.8    | 5.6     | 2.4     |         |         |         |         |         |      | 21.0  | 9.2                   |
| NE                      | 2.4   | 6.5   | 4.0    | .8      |         |         |         |         |         |         |      | 13.7  | 5.9                   |
| ENE                     | 1.6   | .8    | .8     |         |         |         |         |         |         |         |      | 3.2   | 4.3                   |
| E                       | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.6   | 5.0                   |
| ESE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 2.0                   |
| SE                      |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.4   | 7.7                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       |       | 1.6   | .8     |         | 1.6     |         |         |         |         |         |      | 4.0   | 11.0                  |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      |       | .8    |        | .8      |         |         |         |         |         |         |      | 1.6   | 10.0                  |
| WSW                     | 1.6   | .8    |        |         |         |         |         |         |         |         |      | 2.4   | 3.3                   |
| W                       |       | .8    | 2.4    | .8      |         |         |         |         |         |         |      | 4.0   | 7.6                   |
| WNW                     | .8    | 3.2   | .8     |         |         |         |         |         |         |         |      | 4.8   | 4.5                   |
| NW                      | .8    | .8    | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 5.5                   |
| NNW                     | .8    | 3.2   | 5.6    | .8      |         |         |         |         |         |         |      | 10.5  | 7.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.8   |                       |
|                         | 14.5  | 33.1  | 26.6   | 14.5    | 5.6     | .8      |         |         |         |         |      | 100.0 | 7.3                   |

TOTAL NUMBER OF OBSERVATIONS

124

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION

137DB CHARLESTON, SOUTH CAROLINA NUSSD

73-76

YEARS

OCT

MONTH

13

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | 1.6   | 15.3   | 4.0     | 2.4     |         |         |         |         |         |      | 25.0  | 9.5                   |
| NNE                     | 2.4   | 5.6   | 4.0    | 1.6     |         |         |         |         |         |         |      | 13.7  | 6.6                   |
| NE                      | 2.4   | 3.2   | .8     | 1.6     |         |         |         |         |         |         |      | 8.1   | 6.7                   |
| ENE                     |       | .8    | 3.2    |         |         |         |         |         |         |         |      | 4.0   | 7.4                   |
| E                       |       | 2.4   | 3.2    |         |         |         |         |         |         |         |      | 5.6   | 7.1                   |
| ESE                     | .8    | 1.6   |        |         |         |         |         |         |         |         |      | 2.4   | 4.3                   |
| SE                      |       | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 4.0   | 7.4                   |
| SSE                     | 1.6   | .8    | 3.2    |         |         |         |         |         |         |         |      | 5.6   | 6.4                   |
| S                       | .8    | 3.2   | .8     | 1.6     |         | .8      |         |         |         |         |      | 7.3   | 8.8                   |
| SSW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SW                      | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| WSW                     | .8    | .8    | 1.6    | .8      |         |         |         |         |         |         |      | 4.0   | 8.0                   |
| W                       | .8    | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 4.8   | 5.8                   |
| WNW                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| NW                      |       | .8    | 2.4    | 1.6     |         |         |         |         |         |         |      | 4.8   | 9.3                   |
| NNW                     |       | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 4.0   | 8.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 5.6   |                       |
|                         | 12.1  | 26.6  | 39.5   | 12.9    | 2.4     | .8      |         |         |         |         |      | 100.0 | 7.4                   |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

5702 SURFACE WINDS JAN 68

1234-18766

|     |     |
|-----|-----|
| AN  | 1.4 |
| ND  | 5.5 |
| SED | 5.6 |
|     | 5.5 |
|     | 3.0 |
|     | 5.0 |
|     | 5.9 |
|     | 5.8 |
|     | 1.0 |
|     | 5.7 |
|     | 6.5 |
|     | 8.1 |
|     | 3.8 |
|     | 3.5 |
|     | 5.4 |
|     | 124 |

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

OCT

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | 1.6   | 7.3    | 4.0     | .8      |         |         |         |         |         |      | 15.3  | 9.0                   |
| NNE                     |       | 1.6   | 4.8    | .8      | .8      |         |         |         |         |         |      | 8.1   | 9.5                   |
| NE                      |       | 1.6   | 4.0    |         | .8      |         |         |         |         |         |      | 6.3   | 8.5                   |
| ENE                     | .8    | .8    | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 5.8                   |
| E                       |       | 4.0   | 6.5    |         |         |         |         |         |         |         |      | 10.5  | 6.9                   |
| ESE                     | .8    | 2.4   | 4.0    |         |         |         |         |         |         |         |      | 7.3   | 6.7                   |
| SE                      | .8    | .8    | 1.6    | .8      |         |         |         |         |         |         |      | 4.0   | 7.0                   |
| SSE                     |       | 4.0   | 11.3   |         |         |         |         |         |         |         |      | 15.3  | 7.2                   |
| S                       |       | 1.6   | 6.5    | 1.6     | .8      |         |         |         |         |         |      | 10.5  | 9.1                   |
| SSW                     |       |       | 1.6    |         |         |         |         |         |         |         |      | 1.6   | 8.0                   |
| SW                      |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 7.0                   |
| WSW                     |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 1.6   | 9.3                   |
| W                       | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.3                   |
| WNW                     |       |       |        | 1.6     |         |         |         |         |         |         |      | 1.6   | 12.5                  |
| NW                      | .8    | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 4.8   | 6.3                   |
| NNW                     |       | 1.6   | 2.4    | .8      |         |         |         |         |         |         |      | 4.8   | 8.2                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | .8    |                       |
|                         | 5.6   | 23.4  | 56.5   | 10.5    | 3.2     |         |         |         |         |         |      | 100.0 | 7.6                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13738

STATION

CHARLESTON, SOUTH CAROLINA

73-76

STATION NAME

YEARS

OCT

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

MMH

1234-18766

MMH

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       |       | 4.8   | 5.6    | 1.6     |         |         |         |         |         |         |      | 12.1  | 7.9                   |
| NNE                     |       | 4.0   | 2.4    | .8      |         |         |         |         |         |         |      | 7.3   | 6.8                   |
| NE                      | 2.4   | 4.0   | 2.4    | .8      |         |         |         |         |         |         |      | 9.7   | 6.0                   |
| ENE                     | .8    | 4.0   | .8     |         |         |         |         |         |         |         |      | 5.6   | 5.6                   |
| E                       | 6.2   | 4.8   | .8     |         |         |         |         |         |         |         |      | 12.1  | 3.7                   |
| ESE                     | .8    | 1.6   |        |         |         |         |         |         |         |         |      | 2.4   | 4.3                   |
| SE                      | 3.2   | 1.6   |        |         |         |         |         |         |         |         |      | 4.8   | 3.0                   |
| SSE                     | .8    | .8    | 3.2    | .8      |         |         |         |         |         |         |      | 5.6   | 7.3                   |
| S                       | 1.6   | .8    |        | .8      |         |         |         |         |         |         |      | 3.2   | 6.5                   |
| SSW                     | 1.6   | 3.2   | .8     |         |         |         |         |         |         |         |      | 5.6   | 4.7                   |
| SW                      | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.6   | 5.5                   |
| WSW                     |       |       | 2.4    |         |         |         |         |         |         |         |      | 2.4   | 8.0                   |
| W                       | 1.6   | 1.6   | 4.0    |         |         |         |         |         |         |         |      | 7.3   | 6.1                   |
| WNW                     | .8    | 4.0   |        |         |         |         |         |         |         |         |      | 4.8   | 4.3                   |
| NW                      | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.6   | 6.0                   |
| NNW                     | .8    | 1.6   |        |         |         |         |         |         |         |         |      | 2.4   | 4.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 11.3  |                       |
|                         | 22.6  | 37.1  | 24.2   | 4.8     |         |         |         |         |         |         |      | 100.0 | 5.1                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

STATION NAME

7-1-76

YEARS

OCT

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 4.0   | 1.6    | .8      | .8      |         |         |         |         |         |      | 9.7   | 7.2                   |
| NNE                     | 3.2   | 5.6   | 8.0    | 1.6     |         |         |         |         |         |         |      | 19.4  | 7.1                   |
| NE                      | 2.4   | 3.2   | .8     | .8      |         |         |         |         |         |         |      | 7.3   | 5.0                   |
| ENE                     |       | 3.2   | 1.6    |         |         |         |         |         |         |         |      | 4.8   | 5.5                   |
| E                       | 4.0   | 1.6   |        |         |         |         |         |         |         |         |      | 5.0   | 3.3                   |
| ESE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| SE                      | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.6   | 4.0                   |
| SSE                     | 1.6   |       | .8     |         |         |         |         |         |         |         |      | 2.4   | 4.3                   |
| S                       | .8    | 2.4   | .8     | 1.6     |         |         |         |         |         |         |      | 5.6   | 7.4                   |
| SSW                     |       |       | .8     |         |         |         |         |         |         |         |      | .8    | 9.0                   |
| SW                      | 1.6   | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 5.6   | 5.3                   |
| WSW                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| W                       | .8    |       | 4.8    |         |         |         |         |         |         |         |      | 5.6   | 7.0                   |
| WNW                     | .8    | 2.4   | 2.4    |         |         |         |         |         |         |         |      | 5.6   | 5.4                   |
| NW                      | 1.6   | .8    |        |         |         |         |         |         |         |         |      | 2.4   | 3.7                   |
| NNW                     | .8    | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 4.0   | 5.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 17.7  |                       |
|                         | 21.6  | 29.0  | 25.8   | 4.8     | .8      |         |         |         |         |         |      | 100.0 | 4.9                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION NAME  
CHARLESTON, SOUTH CAROLINA

73-76

YEARS

OCT

MONTH

ALL WEATHER

ALL

HOURS (L.S.T.)

MMMM

5702 SURFACE WINDS JAN 68

1234-18766

MMMM

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.6   | 5.0   | 6.1    | 3.5     | .8      | .1      |         |         |         |         |      | 20.1  | 7.7                   |
| NNE                     | 1.8   | 5.3   | 4.8    | 3.5     | .4      |         |         |         |         |         |      | 15.9  | 7.9                   |
| NE                      | 1.5   | 5.0   | 1.6    | .6      | .1      |         |         |         |         |         |      | 6.0   | 6.0                   |
| ENE                     | .7    | 1.5   | 1.1    |         |         |         |         |         |         |         |      | 3.3   | 5.3                   |
| E                       | 1.7   | 1.7   | 1.4    |         |         |         |         |         |         |         |      | 4.8   | 5.0                   |
| ESE                     | .5    | .8    | .5     |         |         |         |         |         |         |         |      | 1.8   | 5.4                   |
| SE                      | .6    | .7    | .6     | .3      |         |         |         |         |         |         |      | 2.2   | 5.9                   |
| SSE                     | .5    | .7    | 2.3    | .4      |         |         |         |         |         |         |      | 3.9   | 7.3                   |
| S                       | .5    | 1.3   | 1.1    | .7      | .4      | .1      |         |         |         |         |      | 4.1   | 8.7                   |
| SSW                     | .3    | .6    | .5     |         | .1      |         |         |         |         |         |      | 1.5   | 6.5                   |
| SW                      | .6    | .8    | .6     | .3      |         |         |         |         |         |         |      | 2.3   | 6.2                   |
| WSW                     | .5    | .7    | 1.0    | .2      |         |         |         |         |         |         |      | 2.4   | 6.5                   |
| W                       | 1.2   | 1.7   | 2.4    | .1      |         |         |         |         |         |         |      | 3.4   | 5.7                   |
| WNW                     | .9    | 2.3   | 1.1    | .2      |         |         |         |         |         |         |      | 4.5   | 5.4                   |
| NW                      | .9    | 1.3   | 1.6    | .2      |         |         |         |         |         |         |      | 4.0   | 6.1                   |
| NNW                     | 1.4   | 2.5   | 1.8    | .3      |         |         |         |         |         |         |      | 6.0   | 5.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.6  |                       |
|                         | 17.3  | 30.9  | 28.7   | 10.4    | 1.8     | .2      |         |         |         |         |      | 100.0 | 6.1                   |

TOTAL NUMBER OF OBSERVATIONS

992

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION NAME  
CHARLESTON, SOUTH CAROLINA NMSE

73-76

YEARS

NOV

MONTH

01

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | 4.2   | 1.7    | 2.5     | .8      |         |         |         |         |         |      | 10.8  | 7.5                   |
| NNE                     | .8    | 4.2   | 1.7    |         |         |         |         |         |         |         |      | 6.7   | 5.8                   |
| NE                      | 1.7   | 1.7   | .8     | .8      |         |         |         |         |         |         |      | 5.0   | 5.5                   |
| ENE                     |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 5.0                   |
| E                       |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.7   | 6.5                   |
| ESE                     | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 3.3                   |
| S                       | 3.3   | .8    | .8     |         |         |         |         |         |         |         |      | 5.0   | 4.3                   |
| SSW                     |       | 3.3   | .8     | 2.5     |         |         |         |         |         |         |      | 6.7   | 8.6                   |
| SW                      |       | 1.7   |        | 1.7     |         |         |         |         |         |         |      | 3.3   | 8.3                   |
| WSW                     | 1.7   | 5.0   | 2.5    |         |         |         |         |         |         |         |      | 9.2   | 5.3                   |
| W                       | 1.7   | 2.5   | 1.7    | 2.5     |         |         |         |         |         |         |      | 8.3   | 7.7                   |
| WNW                     | 2.5   | 1.7   | 2.5    |         |         |         |         |         |         |         |      | 6.7   | 5.3                   |
| NW                      |       | 1.7   | .8     | .8      |         |         |         |         |         |         |      | 3.3   | 9.0                   |
| NNW                     | .8    | 2.5   | 1.7    |         |         |         |         |         |         |         |      | 5.0   | 5.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 23.3  |                       |
|                         | 16.7  | 32.5  | 15.8   | 10.8    | .8      |         |         |         |         |         |      | 100.0 | 4.9                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA

NWSE

73-76

YEARS

NOV

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.3   | 5.0   | 6.7    | 1.7     |         |         |         |         |         |         |      | 16.7  | 6.6                   |
| NNE                     | 1.7   | 5.0   | 2.5    | 1.7     |         |         |         |         |         |         |      | 10.8  | 6.2                   |
| NE                      | 2.5   | .8    |        |         |         |         |         |         |         |         |      | 3.3   | 3.0                   |
| ENE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| E                       | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.3                   |
| ESE                     | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.7   | 4.5                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | 1.7   | .8    |        | .8      |         |         |         |         |         |         |      | 3.3   | 5.0                   |
| SSW                     |       |       | 1.7    |         |         |         |         |         |         |         |      | 1.7   | 8.5                   |
| SW                      | .8    | 1.7   |        |         |         |         |         |         |         |         |      | 2.5   | 4.7                   |
| WSW                     | 1.7   | 5.0   | 3.3    | .8      |         |         |         |         |         |         |      | 10.8  | 6.3                   |
| W                       | 4.2   | 5.0   | 5.8    |         |         |         |         |         |         |         |      | 15.0  | 5.9                   |
| WNW                     | .8    | 1.7   | 1.7    | .8      |         |         |         |         |         |         |      | 5.0   | 6.8                   |
| NW                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 6.0                   |
| NNW                     | 2.5   | 1.7   | 1.7    | .8      |         |         |         |         |         |         |      | 6.7   | 5.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 20.0  |                       |
|                         | 20.8  | 28.3  | 24.2   | 6.7     |         |         |         |         |         |         |      | 100.0 | 4.8                   |

TOTAL NUMBER OF OBSERVATIONS

120



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

NOV  
MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 4.2   | 5.8   | 6.7    | 2.5     | .8      |         |         |         |         |         |      | 20.0  | 7.0                   |
| NNE                     | 2.5   | .8    | 5.8    | .8      |         |         |         |         |         |         |      | 10.0  | 6.6                   |
| NE                      | 3.3   | .8    | .8     | .8      |         |         |         |         |         |         |      | 5.8   | 4.9                   |
| ENE                     | .8    |       | .8     |         |         |         |         |         |         |         |      | 1.7   | 5.0                   |
| E                       |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| ESE                     | .8    |       |        | .8      |         |         |         |         |         |         |      | 1.7   | 6.5                   |
| SE                      | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.5                   |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | 1.7   |       | .8     |         |         |         |         |         |         |         |      | 2.5   | 4.7                   |
| SSW                     |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 12.0                  |
| SW                      | 1.7   | .8    | 2.5    |         |         |         |         |         |         |         |      | 5.0   | 5.8                   |
| WSW                     | 2.5   | 5.0   | .8     |         |         |         |         |         |         |         |      | 6.3   | 4.7                   |
| W                       | .8    | 5.0   | 3.3    | .8      |         |         |         |         |         |         |      | 10.0  | 6.8                   |
| WNW                     | 1.7   | 2.5   | 1.7    | 2.5     |         |         |         |         |         |         |      | 8.3   | 7.5                   |
| NW                      | 3.3   | .8    | .8     |         |         |         |         |         |         |         |      | 5.0   | 4.0                   |
| NNW                     | 3.3   | 2.5   |        | .8      |         |         |         |         |         |         |      | 6.7   | 4.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 11.7  |                       |
|                         | 28.3  | 25.0  | 24.2   | 10.0    | .8      |         |         |         |         |         |      | 100.0 | 5.4                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

NOV

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

HMM

5702 SURFACE WINDS JAN 68

1234-18766

HMM

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.3   | 6.7   | 6.7    | 2.5     | .8      |         |         |         |         |         |      | 20.0  | 6.8                   |
| NNE                     | 3.3   | 2.5   | 3.3    | 1.7     | 1.7     |         |         |         |         |         |      | 12.5  | 8.3                   |
| NE                      | 1.7   |       | 3.3    | 1.7     |         |         |         |         |         |         |      | 6.7   | 8.4                   |
| ENE                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.5   | 4.3                   |
| E                       | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.5                   |
| ESE                     | .8    | 1.7   | .8     | .8      |         |         |         |         |         |         |      | 4.2   | 7.0                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| S                       | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 3.0                   |
| SSW                     |       |       | .8     | .8      |         |         |         |         |         |         |      | 1.7   | 11.0                  |
| SW                      | .8    | 1.7   | 1.7    | .8      |         |         |         |         |         |         |      | 5.0   | 6.8                   |
| WSW                     | 2.5   | 2.5   | 2.5    | .8      |         |         |         |         |         |         |      | 5.8   | 8.0                   |
| W                       | 2.5   | 6.7   | 3.3    | 1.7     |         |         |         |         |         |         |      | 14.2  | 6.2                   |
| WNW                     | .8    | 2.5   | .8     |         |         |         |         |         |         |         |      | 4.2   | 5.0                   |
| NW                      |       | 2.5   | .8     | 2.5     | .8      |         |         |         |         |         |      | 6.7   | 10.8                  |
| NNW                     | 2.5   | .8    | .8     | 1.7     |         |         |         |         |         |         |      | 5.8   | 5.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 6.7   |                       |
|                         | 19.2  | 30.0  | 25.8   | 15.0    | 3.3     |         |         |         |         |         |      | 100.0 | 6.6                   |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NAUSE 73-76

STATION NAME

YEARS

NOV

MONTH

13

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.5   | 3.3   | 3.8    | .8      | .8      |         |         |         |         |         |      | 13.3  | 7.1                   |
| NNE                     | 1.7   | 3.3   | .8     |         |         |         |         |         |         |         |      | 5.8   | 4.9                   |
| NE                      | .8    | 3.3   |        | 1.7     |         |         |         |         |         |         |      | 3.8   | 7.6                   |
| ENE                     | .8    | .8    | 1.7    | .8      |         |         |         |         |         |         |      | 4.2   | 7.0                   |
| E                       |       | 2.5   | 2.5    |         |         |         |         |         |         |         |      | 5.0   | 6.7                   |
| ESE                     | 1.7   |       | .8     |         |         |         |         |         |         |         |      | 2.5   | 4.3                   |
| SE                      |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.7   | 7.0                   |
| SSE                     | .8    | 3.3   | .8     |         |         |         |         |         |         |         |      | 5.0   | 5.0                   |
| S                       |       | 2.5   | 1.7    |         |         |         |         |         |         |         |      | 4.2   | 6.2                   |
| SSW                     | .8    | .8    |        | 1.7     | .8      |         |         |         |         |         |      | 4.2   | 9.4                   |
| SW                      |       | .8    | 1.7    | .8      |         |         |         |         |         |         |      | 5.3   | 9.3                   |
| WSW                     | .8    | 1.7   | 2.5    | 1.7     |         |         |         |         |         |         |      | 6.7   | 8.6                   |
| W                       | .8    | 5.0   | 3.3    | 4.2     |         |         |         |         |         |         |      | 13.3  | 7.9                   |
| WNW                     |       | .8    | 4.2    | .8      |         |         |         |         |         |         |      | 5.3   | 8.6                   |
| NW                      |       | 2.5   | 1.7    | 3.3     |         |         |         |         |         |         |      | 7.5   | 9.0                   |
| NNW                     | 1.7   | 1.7   | 1.7    | .8      |         |         |         |         |         |         |      | 5.8   | 6.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 5.8   |                       |
|                         | 12.5  | 33.3  | 30.0   | 16.7    | 1.7     |         |         |         |         |         |      | 100.0 | 6.9                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NASD 73-76

STATION NAME

YEARS

NOV

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 2.5   | 5.8    | 1.7     |         |         |         |         |         |         |      | 10.8  | 7.7                   |
| NNE                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.7   | 7.0                   |
| NE                      |       | 1.7   |        |         |         |         |         |         |         |         |      | 1.7   | 6.0                   |
| ENE                     | .8    |       | 2.5    |         |         |         |         |         |         |         |      | 3.3   | 7.5                   |
| E                       |       | 1.7   | 5.8    |         |         |         |         |         |         |         |      | 7.5   | 7.4                   |
| ESE                     | .8    | 3.3   | 2.5    |         |         |         |         |         |         |         |      | 6.7   | 5.9                   |
| SE                      |       | 2.5   |        |         |         |         |         |         |         |         |      | 2.5   | 4.7                   |
| SSE                     | .8    | 2.5   | 5.0    | .8      |         |         |         |         |         |         |      | 9.2   | 7.0                   |
| S                       |       | 1.7   | 3.3    |         |         |         |         |         |         |         |      | 5.0   | 7.7                   |
| SSW                     |       | 4.2   | 4.2    | 2.5     |         |         |         |         |         |         |      | 10.8  | 7.7                   |
| SW                      |       | .8    | .8     | 3.3     |         |         |         |         |         |         |      | 5.0   | 11.0                  |
| WSW                     |       |       |        | .8      | .8      |         |         |         |         |         |      | 1.7   | 15.0                  |
| W                       | 2.5   | 5.0   | 1.7    | 2.5     | 1.7     |         |         |         |         |         |      | 13.3  | 8.4                   |
| WNW                     | 1.7   | 2.5   |        | 1.7     |         |         |         |         |         |         |      | 5.8   | 6.3                   |
| NW                      | .8    | .8    | 2.5    |         |         |         |         |         |         |         |      | 4.2   | 6.2                   |
| NNW                     |       | 1.7   | 3.3    | 2.5     |         |         |         |         |         |         |      | 7.5   | 9.3                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 3.3   |                       |
|                         | 8.3   | 31.7  | 38.3   | 15.8    | 2.5     |         |         |         |         |         |      | 100.0 | 7.5                   |

TOTAL NUMBER OF OBSERVATIONS

120



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13759

STATION

CHARLESTON, SOUTH CAROLINA NW50

73-76

STATION NAME

YEARS

NOV

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.5   | 1.7   | 3.3    | .8      |         |         |         |         |         |         |      | 8.3   | 6.2                   |
| NNE                     | 2.5   | 1.7   | .8     |         |         |         |         |         |         |         |      | 5.0   | 4.5                   |
| NE                      | .8    | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 4.2   | 6.2                   |
| ENE                     | 2.5   | 2.5   | .8     |         |         |         |         |         |         |         |      | 5.8   | 4.6                   |
| E                       | 2.5   | 5.0   | .8     |         |         |         |         |         |         |         |      | 8.3   | 4.6                   |
| ESE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 4.0                   |
| SE                      | 1.7   | .8    |        |         |         |         |         |         |         |         |      | 2.5   | 3.3                   |
| SSE                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 1.7   | 3.5                   |
| S                       | 3.3   | 1.7   | 1.7    | 2.5     |         |         |         |         |         |         |      | 9.2   | 6.9                   |
| SSW                     | 2.5   | 6.7   | 3.3    |         |         |         |         |         |         |         |      | 12.5  | 5.7                   |
| SW                      | 2.5   | 2.5   | .8     |         |         |         |         |         |         |         |      | 5.8   | 5.1                   |
| WSW                     |       | 1.7   | 1.7    |         |         |         |         |         |         |         |      | 3.3   | 5.8                   |
| W                       | 1.7   | 4.2   | 2.5    | .8      |         |         |         |         |         |         |      | 9.2   | 6.2                   |
| WNW                     |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.5   | 8.7                   |
| NW                      |       | .8    |        | .8      |         |         |         |         |         |         |      | 1.7   | 9.5                   |
| NNW                     |       | 3.3   |        |         | .8      |         |         |         |         |         |      | 4.2   | 6.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 15.0  |                       |
|                         | 23.3  | 36.7  | 10.3   | 5.8     | .8      |         |         |         |         |         |      | 100.0 | 4.9                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

NOV

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.7   | 2.5   | 3.3    |         | .8      |         |         |         |         |         |      | 8.3   | 7.4                   |
| NNE                     |       | 4.2   |        |         |         |         |         |         |         |         |      | 4.2   | 4.8                   |
| NE                      | 3.3   | 1.7   | .8     |         |         |         |         |         |         |         |      | 3.8   | 4.4                   |
| ENE                     | .8    | 3.3   | .8     |         |         |         |         |         |         |         |      | 3.0   | 3.3                   |
| E                       | 2.5   | .8    |        | .8      |         |         |         |         |         |         |      | 4.2   | 4.2                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 2.0                   |
| SSE                     | 1.7   |       |        |         |         |         |         |         |         |         |      | 1.7   | 2.5                   |
| S                       | 1.7   | 2.5   | 1.7    | .8      |         |         |         |         |         |         |      | 6.7   | 6.5                   |
| SSW                     | 1.7   | .8    | 3.3    | .8      |         |         |         |         |         |         |      | 6.7   | 7.3                   |
| SW                      | 2.5   | 3.3   | 1.7    |         |         |         |         |         |         |         |      | 7.5   | 4.9                   |
| WSW                     | .8    | 1.7   | .8     |         |         |         |         |         |         |         |      | 3.3   | 5.8                   |
| W                       | 1.7   | 5.8   | 3.3    | 1.7     |         |         |         |         |         |         |      | 12.3  | 6.7                   |
| WNW                     | 1.7   | 1.7   | .8     | .8      |         |         |         |         |         |         |      | 3.3   | 7.5                   |
| NW                      | 1.7   | .8    | .8     | 2.5     |         |         |         |         |         |         |      | 3.3   | 4.5                   |
| NNW                     | .8    | .8    |        |         |         |         |         |         |         |         |      | 4.2   | 9.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 22.3  |                       |
|                         | 21.7  | 30.0  | 17.5   | 7.5     | .8      |         |         |         |         |         |      | 100.0 | 4.7                   |

TOTAL NUMBER OF OBSERVATIONS

120

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13758 CHARLESTON, SOUTH CAROLINA NWSE 73-76 YEARS NOV MONTH  
ALL HOURS (L.S.T.)

HMM

5702 SURFACE WINDS JAN 68

HHP

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.5   | 4.0   | 5.0    | 1.6     | .3      |         |         |         |         |         |      | 13.5  | 7.0                   |
| NNE                     | 1.6   | 2.3   | 2.0    | .5      | .2      |         |         |         |         |         |      | 7.1   | 6.3                   |
| NE                      | 1.8   | 1.5   | .9     | .6      |         |         |         |         |         |         |      | 4.8   | 5.9                   |
| ENE                     | .8    | 1.1   | .9     | .1      |         |         |         |         |         |         |      | 3.0   | 5.6                   |
| E                       | .8    | 1.7   | 1.2    | .1      |         |         |         |         |         |         |      | 3.9   | 5.6                   |
| ESE                     | .6    | .5    | .3     | .1      |         |         |         |         |         |         |      | 1.8   | 5.2                   |
| SE                      | .6    | .7    | .2     | .1      |         |         |         |         |         |         |      | 1.7   | 5.0                   |
| SSE                     | .7    | .9    | .7     | .1      |         |         |         |         |         |         |      | 2.5   | 5.4                   |
| S                       | 1.7   | 1.4   | 1.2    | .5      |         |         |         |         |         |         |      | 4.8   | 6.0                   |
| SSW                     | .6    | 2.0   | 1.8    | 1.1     | .1      |         |         |         |         |         |      | 5.6   | 7.6                   |
| SW                      | 1.0   | 1.7   | 1.1    | .8      |         |         |         |         |         |         |      | 4.7   | 6.8                   |
| WSW                     | .9    | 2.8   | 1.8    | .5      | .1      |         |         |         |         |         |      | 6.1   | 6.6                   |
| W                       | 2.0   | 4.9   | 3.1    | 1.8     | .2      |         |         |         |         |         |      | 12.0  | 7.0                   |
| WNW                     | .9    | 1.8   | 1.6    | .9      |         |         |         |         |         |         |      | 5.2   | 6.9                   |
| NW                      | .7    | 1.4   | .9     | .9      | .1      |         |         |         |         |         |      | 4.1   | 7.7                   |
| NNW                     | 1.5   | 1.9   | 1.1    | 1.1     | .1      |         |         |         |         |         |      | 5.7   | 6.7                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 13.5  |                       |
|                         | 18.9  | 30.9  | 24.3   | 11.0    | 1.4     |         |         |         |         |         |      | 100.0 | 5.7                   |

TOTAL NUMBER OF OBSERVATIONS

960

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA

73-76

STATION NAME

YEARS

DEC

MONTH

01

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

HHP

5702 SURFACE WINDS JAN 68

1234-18766

HHP

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 1.0   | 3.2    |         | .8      |         |         |         |         |         |      | 6.1   | 6.4                   |
| NNE                     | 2.4   | .8    | 3.2    | 1.6     |         |         |         |         |         |         |      | 8.1   | 6.5                   |
| NE                      | 2.4   | 1.6   | 3.2    |         |         |         |         |         |         |         |      | 7.3   | 5.6                   |
| ENE                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 3.5                   |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         | .8      |         |         |         |         |         |      | .8    | 18.0                  |
| SSE                     |       | 1.6   |        |         |         |         |         |         |         |         |      | 1.6   | 5.0                   |
| S                       | 1.6   | 4.0   | .8     | .8      |         |         |         |         |         |         |      | 7.3   | 5.9                   |
| SSW                     | .8    | .8    | 1.6    | .8      |         |         |         |         |         |         |      | 4.0   | 6.8                   |
| SW                      | .8    | .8    | .8     | 3.2     |         |         |         |         |         |         |      | 4.8   | 11.0                  |
| WSW                     | 1.6   | 2.4   | 2.4    | .8      |         |         |         |         |         |         |      | 7.3   | 6.7                   |
| W                       | 2.4   | 3.6   | 4.8    | .8      |         |         |         |         |         |         |      | 13.7  | 6.5                   |
| WNW                     | 1.6   | 2.4   | 3.2    | 1.6     | .8      |         |         |         |         |         |      | 9.7   | 8.1                   |
| NW                      | 2.4   | .8    | .8     |         |         |         |         |         |         |         |      | 4.0   | 3.8                   |
| NNW                     |       |       | 1.6    |         |         |         |         |         |         |         |      | 1.6   | 8.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 20.2  |                       |
|                         | 17.7  | 23.4  | 26.6   | 9.7     | 2.4     |         |         |         |         |         |      | 100.0 | 5.4                   |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION NAME  
CHARLESTON, SOUTH CAROLINA NWSE

73-75

YEARS

DEC

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

NNNN

NNP

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | 1.6   | 4.0    | 4.0     |         |         |         |         |         |         |      | 11.3  | 8.4                   |
| NNE                     | 3.2   | 2.4   | 3.2    | .8      |         |         |         |         |         |         |      | 9.7   | 5.9                   |
| NE                      | .8    |       | 3.2    | .8      |         |         |         |         |         |         |      | 4.8   | 8.0                   |
| ENE                     |       | .8    | .8     | .8      |         |         |         |         |         |         |      | 2.4   | 9.0                   |
| E                       |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 6.0                   |
| SSE                     | .8    |       |        | .8      |         |         |         |         |         |         |      | 1.6   | 7.0                   |
| S                       | 1.6   | .8    |        |         |         |         |         |         |         |         |      | 2.4   | 3.3                   |
| SSW                     | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.7                   |
| SW                      | .8    | .8    | 2.4    | .8      | .8      |         |         |         |         |         |      | 5.6   | 10.1                  |
| WSW                     | 1.6   | .8    | .8     | .8      |         |         |         |         |         |         |      | 4.0   | 6.2                   |
| W                       |       | 9.7   | 4.0    | 3.2     | .8      |         |         |         |         |         |      | 18.3  | 7.6                   |
| WNW                     | 4.0   | 2.4   | 3.2    | .8      |         |         |         |         |         |         |      | 10.5  | 5.8                   |
| NW                      | .8    | 1.6   | .8     |         |         |         |         |         |         |         |      | 3.2   | 6.0                   |
| NNW                     | 3.2   | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 6.3   | 5.0                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.1  |                       |
|                         | 19.4  | 24.2  | 25.8   | 12.9    | 1.6     |         |         |         |         |         |      | 100.0 | 5.9                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

DEC

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 4.8   | 7.3    | 1.6     |         |         |         |         |         |         |      | 16.1  | 7.0                   |
| NNE                     | .8    | 2.4   | 4.0    | 1.6     |         |         |         |         |         |         |      | 8.9   | 3.0                   |
| NE                      | .8    |       |        |         |         |         |         |         |         |         |      | .8    | 3.0                   |
| ENE                     | 1.6   | 1.6   |        |         |         |         |         |         |         |         |      | 3.2   | 3.3                   |
| E                       |       | .8    |        | .8      |         |         |         |         |         |         |      | 1.6   | 10.0                  |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| SSE                     |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 6.5                   |
| S                       | .8    | .8    | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.3                   |
| SSW                     |       |       | 1.6    | .8      |         |         |         |         |         |         |      | 2.4   | 10.0                  |
| SW                      | 1.6   | 1.6   | 2.4    | 1.6     |         |         |         |         |         |         |      | 7.3   | 7.2                   |
| WSW                     | 2.4   | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 6.5   | 5.8                   |
| W                       | 1.6   | 5.6   | 4.6    | 1.6     |         |         |         |         |         |         |      | 13.7  | 6.8                   |
| WNW                     | .8    | 4.8   | 2.4    | 1.6     | .8      |         |         |         |         |         |      | 10.5  | 7.5                   |
| NW                      | 4.0   | 2.4   | .8     |         |         |         |         |         |         |         |      | 7.3   | 4.0                   |
| NNW                     | .8    | .8    | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 5.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 13.7  |                       |
|                         | 17.7  | 29.0  | 28.2   | 10.5    | .8      |         |         |         |         |         |      | 100.0 | 5.7                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-75

STATION NAME

YEARS

DEC

MONTH

10

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | 3.2   | 5.6    | 2.4     |         |         |         |         |         |         |      | 12.9  | 7.9                   |
| NNE                     |       | 3.2   | 2.4    | 4.0     |         |         |         |         |         |         |      | 9.7   | 9.4                   |
| NE                      | 2.4   | 2.4   |        | 2.4     |         |         |         |         |         |         |      | 7.3   | 7.1                   |
| ENE                     | 2.4   | .8    |        | .8      |         |         |         |         |         |         |      | 4.0   | 5.6                   |
| E                       |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 6.5                   |
| ESE                     | 1.6   |       |        |         |         |         |         |         |         |         |      | 1.6   | 2.5                   |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     |       | 1.6   | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.3                   |
| S                       | .8    | 2.4   |        |         |         |         |         |         |         |         |      | 3.2   | 4.8                   |
| SSW                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| SW                      | .8    | 1.6   | .8     | 2.4     | .8      |         |         |         |         |         |      | 6.5   | 9.1                   |
| WSW                     | 1.6   | 1.6   | 1.6    | 2.4     |         |         |         |         |         |         |      | 7.3   | 8.0                   |
| W                       | .8    | 2.4   | 4.8    | 3.2     |         |         |         |         |         |         |      | 11.3  | 9.6                   |
| WNW                     |       | 2.4   | .8     | 3.2     | .8      |         |         |         |         |         |      | 7.3   | 10.7                  |
| NW                      | 1.6   | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 5.6   | 6.6                   |
| NNW                     | .8    | 2.4   |        | .8      |         |         |         |         |         |         |      | 4.0   | 5.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 14.5  |                       |
|                         | 14.5  | 27.4  | 19.4   | 22.6    | 1.6     |         |         |         |         |         |      | 100.0 | 6.8                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13758 CHARLESTON, SOUTH CAROLINA NWSE 75-76 YEARS MONTH DEC  
CLASS ALL WEATHER HOURS (L.S.T.) 13

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 3.2   | 4.0    | 3.2     |         |         |         |         |         |         |      | 12.9  | 7.8                   |
| NNE                     | .8    | 2.4   | 1.6    | 1.6     |         |         |         |         |         |         |      | 6.5   | 7.3                   |
| NE                      | .8    | 2.4   |        | .8      |         |         |         |         |         |         |      | 4.0   | 6.0                   |
| ENE                     |       | 1.6   |        | 1.6     | .8      |         |         |         |         |         |      | 4.0   | 10.4                  |
| E                       |       | .8    | 1.6    |         |         |         |         |         |         |         |      | 2.4   | 7.3                   |
| ESE                     | .8    | 1.6   |        |         |         |         |         |         |         |         |      | 2.4   | 4.7                   |
| SE                      | .8    | .8    |        | 1.6     |         |         |         |         |         |         |      | 3.2   | 8.3                   |
| SSE                     |       | 2.4   | 3.6    |         |         |         |         |         |         |         |      | 8.1   | 7.1                   |
| S                       | .8    | 4.8   | 2.4    | .8      |         |         |         |         |         |         |      | 8.9   | 6.5                   |
| SSW                     |       | 1.6   | .8     | .8      |         |         |         |         |         |         |      | 3.2   | 8.0                   |
| SW                      |       |       | .8     | 2.4     |         |         |         |         |         |         |      | 3.2   | 12.5                  |
| WSW                     |       | 1.6   | 1.6    | 2.4     |         | .8      |         |         |         |         |      | 6.5   | 11.1                  |
| W                       | .8    | 1.6   | 4.0    | 6.5     | 2.4     |         |         |         |         |         |      | 15.3  | 11.6                  |
| WNW                     |       | .8    | 2.4    | 3.2     |         |         |         |         |         |         |      | 6.5   | 10.8                  |
| NW                      | .8    | 1.6   |        | 1.6     |         |         |         |         |         |         |      | 4.0   | 8.2                   |
| NNW                     | .8    | 3.2   |        | .8      | .8      |         |         |         |         |         |      | 5.6   | 7.6                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 3.2   |                       |
|                         | 8.9   | 30.6  | 25.0   | 27.4    | 4.0     | .8      |         |         |         |         |      | 100.0 | 8.5                   |

TOTAL NUMBER OF OBSERVATIONS

124



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSB 73-76

STATION NAME

YEARS

DEC  
MONTHALL WEATHER  
CLASS16  
HOURS (L.S.T.)

NNNN

5702 SURFACE WINDS JAN 68

1234-18766

NNNN

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | 1.6   | 1.6    | .8      |         |         |         |         |         |         |      | 4.8   | 7.0                   |
| NNE                     | 1.6   | .8    | 1.6    | .8      |         |         |         |         |         |         |      | 4.8   | 6.5                   |
| NE                      |       | 1.6   | .8     |         |         |         |         |         |         |         |      | 2.4   | 5.7                   |
| ENE                     |       | .8    |        | 3.2     |         |         |         |         |         |         |      | 4.0   | 12.2                  |
| E                       | 1.6   | .8    | .8     |         |         |         |         |         |         |         |      | 3.2   | 4.5                   |
| ESE                     |       | 1.6   | 2.4    |         |         |         |         |         |         |         |      | 4.0   | 7.8                   |
| SE                      |       | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 3.2   | 6.5                   |
| SSE                     | .8    | 4.0   | 4.0    |         |         |         |         |         |         |         |      | 8.8   | 6.3                   |
| S                       | .8    | .8    | 4.0    | 2.4     |         |         |         |         |         |         |      | 8.1   | 8.1                   |
| SSW                     |       | 2.4   | 1.6    | 1.6     |         |         |         |         |         |         |      | 5.6   | 7.9                   |
| SW                      | 1.6   | 1.6   | 4.0    | 1.6     |         |         |         |         |         |         |      | 8.9   | 7.8                   |
| WSW                     | 2.4   | 4.8   | 3.2    | 1.6     |         |         |         |         |         |         |      | 4.8   | 9.7                   |
| W                       |       |       | 1.6    | 5.6     |         |         |         |         |         |         |      | 14.5  | 8.6                   |
| WNW                     | 1.6   |       | 3.2    | .8      | 2.4     |         |         |         |         |         |      | 8.1   | 10.9                  |
| NW                      |       | .8    | 4.0    | 1.6     |         |         |         |         |         |         |      | 6.5   | 9.6                   |
| NNW                     | .8    |       | 1.6    | .8      |         |         |         |         |         |         |      | 3.2   | 7.8                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 4.8   |                       |
|                         | 12.1  | 23.4  | 36.3   | 21.0    | 2.4     |         |         |         |         |         |      | 100.0 | 7.8                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758

STATION

CHARLESTON, SOUTH CAROLINA NMSE

72-76

STATION NAME

YEARS

DEC

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | .8    | .8    | 1.6    | .8      | .8      |         |         |         |         |         |      | 4.8   | 9.8                   |
| NNE                     | 3.2   | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 6.3   | 4.9                   |
| NE                      | .8    | .8    | 1.6    | 1.6     |         |         |         |         |         |         |      | 4.8   | 8.3                   |
| ENE                     | .8    | 3.2   | 3.2    |         |         |         |         |         |         |         |      | 7.3   | 6.1                   |
| E                       | 3.2   |       | .8     | .8      |         |         |         |         |         |         |      | 4.8   | 5.3                   |
| ESE                     |       |       |        | .8      |         |         |         |         |         |         |      | .8    | 13.0                  |
| SE                      | 2.4   |       |        |         |         |         |         |         |         |         |      | 2.4   | 2.7                   |
| SSE                     | 1.6   | 2.4   |        | .8      |         |         |         |         |         |         |      | 4.8   | 3.0                   |
| S                       | 3.2   | 4.0   | .8     |         |         |         |         |         |         |         |      | 8.1   | 4.1                   |
| SSW                     | .8    | 2.4   |        | 1.6     |         |         |         |         |         |         |      | 4.8   | 7.2                   |
| SW                      | .8    | 2.4   | 4.0    | .8      |         |         |         |         |         |         |      | 8.1   | 7.5                   |
| WSW                     | 1.6   | 3.2   | 3.2    | .8      |         |         |         |         |         |         |      | 8.9   | 5.2                   |
| W                       | 4.0   | 3.2   | 4.8    | .8      |         |         |         |         |         |         |      | 12.3  | 5.8                   |
| WNW                     | .8    | .8    | .8     | .8      |         |         |         |         |         |         |      | 3.2   | 7.3                   |
| NW                      | .8    | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 4.0   | 6.0                   |
| NNW                     |       | 2.4   |        | .8      |         |         |         |         |         |         |      | 3.2   | 7.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.3  |                       |
|                         | 25.0  | 29.0  | 24.2   | 10.5    | .8      |         |         |         |         |         |      | 100.0 | 5.6                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

STATION NAME

YEARS

DEC

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.4   | 1.0   | 4.0    | .8      |         |         |         |         |         |         |      | 8.9   | 7.0                   |
| NNE                     | 3.2   |       | 2.4    | .8      |         |         |         |         |         |         |      | 6.5   | 5.8                   |
| NE                      | 1.6   | 2.4   | 1.6    | .8      |         |         |         |         |         |         |      | 6.5   | 6.3                   |
| ENE                     |       | .8    |        |         |         |         |         |         |         |         |      | .8    | 5.0                   |
| E                       | 1.6   | .8    |        |         |         |         |         |         |         |         |      | 2.4   | 3.7                   |
| ESE                     |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SE                      |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| SSE                     | 2.4   |       |        |         | .8      |         |         |         |         |         |      | 3.2   | 6.3                   |
| S                       | 1.6   | .8    |        | .8      |         |         |         |         |         |         |      | 3.2   | 6.3                   |
| SSW                     | .8    | 1.6   | 1.6    |         |         |         |         |         |         |         |      | 4.0   | 5.4                   |
| SW                      |       | .8    | .8     | 2.4     | .8      |         |         |         |         |         |      | 4.8   | 11.2                  |
| WSW                     | 4.0   | 1.6   | 3.2    | .8      |         |         |         |         |         |         |      | 9.7   | 6.1                   |
| W                       | 2.4   | 4.0   | 4.6    | 2.4     |         |         |         |         |         |         |      | 13.7  | 7.2                   |
| WNW                     | 4.0   | 2.4   | 1.6    |         |         |         |         |         |         |         |      | 8.1   | 4.1                   |
| NW                      |       | .8    | .8     |         |         |         |         |         |         |         |      | 1.6   | 6.0                   |
| NNW                     | .8    | 1.6   | .8     |         |         |         |         |         |         |         |      | 3.2   | 5.5                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 23.4  |                       |
|                         | 25.0  | 19.4  | 21.8   | 8.9     | 1.6     |         |         |         |         |         |      | 100.0 | 4.9                   |

TOTAL NUMBER OF OBSERVATIONS

124

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWS

73-76

STATION NAME

YEARS

DEC

MONTH

ALL

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 1.6   | 2.3   | 3.9    | 1.7     | .2      |         |         |         |         |         |      | 10.0  | 7.6                   |
| NNE                     | 1.9   | 1.7   | 2.3    | 1.4     |         |         |         |         |         |         |      | 7.6   | 6.9                   |
| NE                      | 1.2   | 1.4   | 1.3    | .8      |         |         |         |         |         |         |      | 4.7   | 6.6                   |
| ENE                     | .6    | 1.3   | .6     | .8      | .1      |         |         |         |         |         |      | 3.4   | 7.4                   |
| E                       | .6    | .5    | .5     | .2      |         |         |         |         |         |         |      | 2.0   | 5.8                   |
| ESE                     | .3    | .4    | .3     | .1      |         |         |         |         |         |         |      | 1.1   | 6.5                   |
| SE                      | .4    | .5    | .2     | .2      | .1      |         |         |         |         |         |      | 1.4   | 6.9                   |
| SSE                     | .7    | 1.6   | 1.4    | .2      | .1      |         |         |         |         |         |      | 4.0   | 6.2                   |
| S                       | 1.4   | 2.3   | 1.1    | .6      |         |         |         |         |         |         |      | 5.4   | 5.9                   |
| SSW                     | .4    | 1.3   | 1.0    | .7      |         |         |         |         |         |         |      | 3.4   | 7.1                   |
| SW                      | .7    | 1.2   | 2.0    | 1.9     | .3      |         |         |         |         |         |      | 6.1   | 9.1                   |
| WSW                     | 1.6   | 1.6   | 2.2    | 1.3     |         | .1      |         |         |         |         |      | 6.9   | 7.3                   |
| W                       | 1.8   | 4.6   | 4.3    | 3.0     | .4      |         |         |         |         |         |      | 14.2  | 8.0                   |
| WNW                     | 1.6   | 2.0   | 2.2    | 1.5     | .6      |         |         |         |         |         |      | 8.0   | 8.0                   |
| NW                      | 1.3   | 1.4   | 1.3    | .5      |         |         |         |         |         |         |      | 4.5   | 6.3                   |
| NNW                     | .9    | 1.3   | .9     | .4      | .1      |         |         |         |         |         |      | 3.8   | 6.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 13.3  |                       |
|                         | 17.5  | 25.8  | 25.9   | 15.4    | 1.9     | .1      |         |         |         |         |      | 100.0 | 6.3                   |

TOTAL NUMBER OF OBSERVATIONS

992



## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

4389

13758

CHARLESTON, SOUTH CAROLINA NWSE

72-75

YEARS

ALL

MONTH

ALL

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 2.1   | 2.9   | 2.8    | 1.7     | .3      | .0      |         |         |         |         |      | 9.7   | 7.2                   |
| NNE                     | 1.2   | 2.2   | 2.2    | 1.0     | .1      | .0      |         |         |         |         |      | 6.8   | 7.1                   |
| NE                      | 1.2   | 1.7   | 1.1    | .6      | .0      |         |         |         |         |         |      | 4.5   | 6.2                   |
| ENE                     | .9    | 1.3   | .8     | .4      | .0      |         | .0      |         |         |         |      | 3.5   | 6.3                   |
| E                       | .8    | 1.4   | 1.5    | .6      | .1      |         |         |         |         |         |      | 4.4   | 6.8                   |
| ESE                     | .6    | .8    | .9     | .2      | .0      |         |         |         |         |         |      | 2.6   | 6.3                   |
| SE                      | .7    | .9    | 1.0    | .3      | .0      |         |         |         |         |         |      | 2.8   | 6.1                   |
| SSE                     | .7    | 1.3   | 2.4    | .9      | .1      |         |         |         |         |         |      | 5.4   | 7.6                   |
| S                       | 1.3   | 2.5   | 2.8    | 1.3     | .2      | .0      |         |         |         |         |      | 8.1   | 7.5                   |
| SSW                     | 1.0   | 2.3   | 2.2    | 1.4     | .2      | .0      |         |         |         |         |      | 7.1   | 7.7                   |
| SW                      | 1.1   | 2.3   | 2.2    | 1.0     | .1      | .0      |         |         |         |         |      | 6.7   | 7.2                   |
| WSW                     | 1.1   | 2.3   | 2.4    | 1.1     | .2      | .0      |         |         |         |         |      | 7.1   | 7.4                   |
| W                       | 1.6   | 3.3   | 3.1    | 1.2     | .2      | .0      |         |         |         |         |      | 9.4   | 6.9                   |
| WNW                     | 1.1   | 1.5   | 1.4    | .7      | .1      |         |         |         |         |         |      | 4.7   | 6.8                   |
| NW                      | .7    | 1.0   | .9     | .3      | .0      |         |         |         |         |         |      | 3.0   | 6.4                   |
| NNW                     | .8    | 1.2   | 1.0    | .4      | .1      |         |         |         |         |         |      | 3.5   | 6.4                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 10.8  |                       |
|                         | 16.9  | 28.8  | 28.6   | 13.1    | 1.7     | .1      | .0      |         |         |         |      | 100.0 | 6.3                   |

TOTAL NUMBER OF OBSERVATIONS

11439

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13758  
STATION

CHARLESTON, SOUTH CAROLINA NAWSO 73-76

STATION NAME

YEARS

ALL  
MONTH

INSTRUMENT

CLASS

ALL  
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

5702 SURFACE WINDS JAN 68

1234-18766

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | %     | MEAN<br>WIND<br>SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N                       | 3.6   | 4.1   | 5.3    | 5.7     | .3      |         |         |         |         |         |      | 19.3  | 8.2                   |
| NNE                     | 1.3   | 3.0   | 3.0    | 1.7     | .8      |         |         |         |         |         |      | 9.7   | 8.3                   |
| NE                      | .2    | 1.2   | 1.8    | 1.7     |         |         |         |         |         |         |      | 3.2   | 8.7                   |
| ENE                     | 1.0   | 1.3   | 1.2    | 1.0     | .1      |         |         |         |         |         |      | 4.7   | 7.3                   |
| E                       | 1.2   | .8    | 1.0    | .9      | .1      |         |         |         |         |         |      | 4.0   | 7.5                   |
| ESE                     | .6    | .6    | .4     | .4      | .1      |         |         |         |         |         |      | 2.2   | 7.2                   |
| SE                      | .5    | .6    | .3     | .3      | .1      |         |         |         |         |         |      | 2.1   | 6.9                   |
| SSE                     | 1.0   | .8    | .3     | .8      | .3      |         |         |         |         |         |      | 3.4   | 7.7                   |
| S                       | .6    | .9    | 1.4    | .6      | .3      | .1      |         |         |         |         |      | 4.1   | 9.0                   |
| SSW                     | .8    | 1.4   | 1.2    | 1.4     | .3      | .1      |         |         |         |         |      | 3.2   | 9.1                   |
| SW                      | 1.0   | 1.4   | 1.6    | .5      | .3      |         |         |         |         |         |      | 4.8   | 7.1                   |
| WSW                     | 1.3   | 1.3   | 1.3    | 1.7     | .3      |         |         |         |         |         |      | 5.8   | 8.3                   |
| W                       | .9    | 2.3   | 2.1    | .6      | .1      |         |         |         |         |         |      | 6.1   | 7.1                   |
| WNW                     | .5    | .8    | 1.0    | 1.0     | .1      |         |         |         |         |         |      | 3.5   | 8.4                   |
| NW                      | .6    | 1.4   | 1.2    | .5      |         |         |         |         |         |         |      | 3.8   | 6.8                   |
| NNW                     | 1.0   | .9    | 1.8    | 1.3     | .1      |         |         |         |         |         |      | 3.2   | 7.9                   |
| VARBL                   |       |       |        |         |         |         |         |         |         |         |      |       |                       |
| CALM                    |       |       |        |         |         |         |         |         |         |         |      | 11.0  |                       |
|                         | 16.7  | 22.9  | 25.5   | 20.3    | 3.2     | .3      |         |         |         |         |      | 100.0 | 7.1                   |

TOTAL NUMBER OF OBSERVATIONS

772

CEILING - VISIBILITY



NWSED, Federal Building  
Asheville, N. C.

## PART D

### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than  $6/10$  total sky cover and those cases where total sky cover is  $6/10$  or more, but not more than  $1/2$  of the sky cover is opaque.



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |     |     |     |      |      |      |      |      |      |     |     |        |
|-------------------|----------------------------|-----|-----|-----|------|------|------|------|------|------|-----|-----|--------|
|                   | ≥ 10                       | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾ | ≥ ½ | ≥ 5/16 |
| NO CEILING        |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 1800            |                            |     |     |     | 91.0 |      |      |      |      |      |     |     | 92.6   |
| ≥ 1500            |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 1200            |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 1000            |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 900             |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 800             |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 700             |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 600             |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 500             |                            |     |     |     |      |      |      |      | 97.4 |      |     |     | 98.1   |
| ≥ 400             |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 300             |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 200             |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 100             |                            |     |     |     |      |      |      |      |      |      |     |     |        |
| ≥ 0               |                            |     |     |     | 95.4 |      | 96.9 |      |      | 98.3 |     |     | 100.0  |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.  
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.  
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:  
Visibility ≥ 3 miles = 95.4%.  
Visibility ≥ 2 miles = 96.9%.  
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

#### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

#### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

| <u>OKTAS</u>    | <u>TENTHS</u> |
|-----------------|---------------|
| 0               | 0             |
| 1               | 1             |
| 2               | 3             |
| 3               | 4             |
| 4               | 5             |
| 5               | 6             |
| 6               | 8             |
| 7               | 9             |
| 8 (or obscured) | 10            |

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWS

74-75

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            | 48.4 | 49.5 | 50.5 | 51.6 | 51.6 | 53.8 | 54.6 | 54.8 | 55.9 | 55.9 |
| ≥ 20000           |                            | 50.5 | 51.6 | 52.7 | 53.8 | 53.8 | 55.9 | 57.0 | 57.0 | 58.1 | 58.1 |
| ≥ 18000           |                            | 50.5 | 51.6 | 52.7 | 53.8 | 53.8 | 55.9 | 57.0 | 57.0 | 58.1 | 58.1 |
| ≥ 16000           |                            | 50.5 | 51.6 | 52.7 | 53.8 | 53.8 | 55.9 | 57.0 | 57.0 | 58.1 | 58.1 |
| ≥ 14000           |                            | 50.5 | 51.6 | 52.7 | 53.8 | 53.8 | 55.9 | 57.0 | 57.0 | 58.1 | 58.1 |
| ≥ 12000           |                            | 50.5 | 51.6 | 52.7 | 53.8 | 53.8 | 55.9 | 57.0 | 57.0 | 58.1 | 58.1 |
| ≥ 10000           |                            | 51.6 | 52.7 | 53.8 | 54.8 | 54.8 | 57.0 | 58.1 | 58.1 | 59.1 | 59.1 |
| ≥ 9000            |                            | 51.6 | 52.7 | 53.8 | 54.8 | 54.8 | 57.0 | 58.1 | 58.1 | 59.1 | 59.1 |
| ≥ 8000            |                            | 57.0 | 58.1 | 59.1 | 60.2 | 60.2 | 62.4 | 63.4 | 63.4 | 64.5 | 64.5 |
| ≥ 7000            |                            | 59.1 | 60.2 | 61.3 | 62.4 | 62.4 | 64.5 | 65.6 | 65.6 | 66.7 | 66.7 |
| ≥ 6000            |                            | 59.1 | 60.2 | 61.3 | 62.4 | 62.4 | 64.5 | 65.6 | 65.6 | 66.7 | 66.7 |
| ≥ 5000            |                            | 60.2 | 61.3 | 62.4 | 63.4 | 63.4 | 65.6 | 66.7 | 66.7 | 67.7 | 67.7 |
| ≥ 4500            |                            | 61.3 | 62.4 | 63.4 | 64.5 | 64.5 | 66.7 | 67.7 | 67.7 | 68.8 | 68.8 |
| ≥ 4000            |                            | 63.4 | 64.5 | 65.6 | 66.7 | 66.7 | 68.8 | 69.9 | 69.9 | 71.0 | 71.0 |
| ≥ 3500            |                            | 63.4 | 64.5 | 65.6 | 66.7 | 66.7 | 68.8 | 69.9 | 69.9 | 71.0 | 71.0 |
| ≥ 3000            |                            | 68.8 | 73.1 | 75.3 | 76.3 | 76.3 | 78.5 | 79.6 | 79.6 | 80.7 | 80.7 |
| ≥ 2500            |                            | 68.8 | 73.1 | 75.3 | 76.3 | 76.3 | 78.5 | 79.6 | 79.6 | 80.7 | 80.7 |
| ≥ 2000            |                            | 71.0 | 75.3 | 77.4 | 78.5 | 78.5 | 80.7 | 81.7 | 81.7 | 82.8 | 82.8 |
| ≥ 1800            |                            | 71.0 | 75.3 | 77.4 | 78.5 | 78.5 | 80.7 | 81.7 | 81.7 | 82.8 | 82.8 |
| ≥ 1500            |                            | 71.0 | 75.3 | 77.4 | 78.5 | 78.5 | 80.7 | 81.7 | 81.7 | 82.8 | 82.8 |
| ≥ 1200            |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 1000            |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 900             |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 800             |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 700             |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 600             |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 500             |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 400             |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 300             |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 200             |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| ≥ 100             |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |
| 0                 |                            | 74.2 | 78.5 | 80.7 | 81.7 | 81.7 | 83.9 | 85.0 | 85.0 | 86.0 | 86.0 |

TOTAL NUMBER OF OBSERVATIONS

93

NAVWEASERVCOM



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

74-75

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)04  
HOURS (L.S.T.)

4557

HHH

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
| ≥ 20000           | 44.1                       | 43.2 | 43.4 | 43.4 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5   | 50.5 | 51.6 |
| 18000             | 47.3                       | 48.4 | 48.4 | 51.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7   | 52.7 | 54.8 |
| 16000             | 47.3                       | 48.4 | 48.4 | 51.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7   | 52.7 | 54.8 |
| 14000             | 47.3                       | 48.4 | 48.4 | 51.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7   | 52.7 | 54.8 |
| 12000             | 47.3                       | 48.4 | 48.4 | 51.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7   | 52.7 | 54.8 |
| 10000             | 48.4                       | 49.5 | 49.5 | 52.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8   | 54.8 | 55.9 |
| 9000              | 48.4                       | 50.5 | 50.5 | 53.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8   | 55.9 | 57.0 |
| 8000              | 52.7                       | 54.8 | 54.8 | 58.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1   | 60.2 | 61.3 |
| 7000              | 54.8                       | 57.0 | 57.0 | 60.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3   | 62.4 | 63.4 |
| 6000              | 54.8                       | 57.0 | 57.0 | 60.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3   | 62.4 | 63.4 |
| 5000              | 55.9                       | 58.1 | 58.1 | 61.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4   | 63.4 | 64.5 |
| 4500              | 55.9                       | 58.1 | 58.1 | 61.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4   | 63.4 | 64.5 |
| 4000              | 58.1                       | 60.2 | 60.2 | 63.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5   | 65.6 | 66.7 |
| 3500              | 59.1                       | 61.3 | 61.3 | 64.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6   | 66.7 | 67.8 |
| 3000              | 64.5                       | 67.8 | 67.8 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0   | 73.1 | 74.2 |
| 2500              | 65.6                       | 68.8 | 68.8 | 72.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1   | 74.2 | 75.3 |
| 2000              | 69.9                       | 73.1 | 73.1 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4   | 78.5 | 79.6 |
| 1800              | 69.9                       | 73.1 | 73.1 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4   | 78.5 | 79.6 |
| 1500              | 71.0                       | 74.2 | 74.2 | 77.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5   | 79.6 | 80.7 |
| 1200              | 71.0                       | 74.2 | 74.2 | 77.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5   | 79.6 | 80.7 |
| 1000              | 71.0                       | 74.2 | 74.2 | 77.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5   | 79.6 | 80.7 |
| 900               | 71.0                       | 74.2 | 74.2 | 77.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5   | 79.6 | 80.7 |
| 800               | 72.0                       | 75.3 | 75.3 | 78.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 80.7 | 81.7 |
| 700               | 72.0                       | 75.3 | 75.3 | 78.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 80.7 | 81.7 |
| 600               | 72.0                       | 75.3 | 75.3 | 78.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 80.7 | 81.7 |
| 500               | 72.0                       | 75.3 | 75.3 | 78.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 80.7 | 81.7 |
| 400               | 72.0                       | 75.3 | 75.3 | 78.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 80.7 | 81.7 |
| 300               | 72.0                       | 75.3 | 75.3 | 78.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 80.7 | 81.7 |
| 200               | 72.0                       | 75.3 | 75.3 | 78.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 80.7 | 81.7 |
| 100               | 72.0                       | 75.3 | 75.3 | 78.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 80.7 | 81.7 |
| 0                 | 72.0                       | 75.3 | 75.3 | 78.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 80.7 | 81.7 |

TOTAL NUMBER OF OBSERVATIONS

93

NAVWEASERVCOM

4543

HHH

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

HHH

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

74-75

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      | ≥ 0    |
| ≥ 20000           |                            | 34.4 | 38.7 | 43.0 | 44.1 | 44.1 | 45.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2   |
| ≥ 18000           |                            | 34.4 | 38.7 | 43.0 | 44.1 | 44.1 | 45.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2   |
| ≥ 16000           |                            | 34.4 | 38.7 | 43.0 | 44.1 | 44.1 | 45.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2   |
| ≥ 14000           |                            | 34.4 | 38.7 | 43.0 | 44.1 | 44.1 | 45.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2   |
| ≥ 12000           |                            | 34.4 | 38.7 | 43.0 | 44.1 | 44.1 | 45.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2   |
| ≥ 10000           |                            | 34.4 | 38.7 | 43.0 | 44.1 | 44.1 | 45.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2   |
| ≥ 9000            |                            | 34.4 | 38.7 | 43.0 | 44.1 | 44.1 | 45.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2   |
| ≥ 8000            |                            | 44.1 | 49.5 | 53.8 | 54.8 | 54.8 | 55.9 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0   |
| ≥ 7000            |                            | 45.2 | 50.5 | 54.8 | 55.9 | 55.9 | 57.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1   |
| ≥ 6000            |                            | 45.2 | 50.5 | 54.8 | 55.9 | 55.9 | 57.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1   |
| ≥ 5000            |                            | 46.2 | 51.6 | 55.9 | 57.0 | 57.0 | 58.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1   |
| ≥ 4500            |                            | 46.2 | 51.6 | 55.9 | 57.0 | 57.0 | 58.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1   |
| ≥ 4000            |                            | 49.5 | 54.8 | 59.1 | 60.2 | 60.2 | 61.3 | 62.4 | 62.4 | 62.4 | 63.4 | 63.4 | 63.4   |
| ≥ 3500            |                            | 52.7 | 58.1 | 62.4 | 63.4 | 63.4 | 64.5 | 65.6 | 65.6 | 65.6 | 66.7 | 67.7 | 67.7   |
| ≥ 3000            |                            | 55.9 | 61.3 | 66.7 | 67.7 | 67.7 | 68.8 | 69.9 | 69.9 | 69.9 | 71.0 | 72.0 | 72.0   |
| ≥ 2500            |                            | 55.9 | 61.3 | 67.7 | 68.8 | 68.8 | 69.9 | 71.0 | 71.0 | 71.0 | 72.0 | 73.1 | 73.1   |
| ≥ 2000            |                            | 60.2 | 65.6 | 72.0 | 73.1 | 73.1 | 74.2 | 75.3 | 75.3 | 75.3 | 76.3 | 77.4 | 77.4   |
| ≥ 1800            |                            | 60.2 | 65.6 | 72.0 | 73.1 | 73.1 | 74.2 | 75.3 | 75.3 | 75.3 | 76.3 | 77.4 | 77.4   |
| ≥ 1500            |                            | 62.4 | 68.8 | 76.3 | 77.4 | 77.4 | 78.5 | 79.6 | 79.6 | 79.6 | 80.7 | 81.7 | 81.7   |
| ≥ 1200            |                            | 62.4 | 69.9 | 77.4 | 78.5 | 78.5 | 79.6 | 80.7 | 80.7 | 80.7 | 81.7 | 82.8 | 82.8   |
| ≥ 1000            |                            | 62.4 | 69.9 | 78.5 | 79.6 | 79.6 | 81.7 | 82.8 | 82.8 | 82.8 | 83.9 | 85.0 | 85.0   |
| ≥ 900             |                            | 62.4 | 69.9 | 78.5 | 79.6 | 79.6 | 81.7 | 82.8 | 82.8 | 82.8 | 83.9 | 85.0 | 85.0   |
| ≥ 800             |                            | 62.4 | 69.9 | 78.5 | 79.6 | 79.6 | 81.7 | 82.8 | 82.8 | 82.8 | 83.9 | 85.0 | 85.0   |
| ≥ 700             |                            | 62.4 | 69.9 | 78.5 | 79.6 | 79.6 | 81.7 | 82.8 | 82.8 | 82.8 | 83.9 | 85.0 | 85.0   |
| ≥ 600             |                            | 62.4 | 69.9 | 78.5 | 79.6 | 79.6 | 81.7 | 82.8 | 82.8 | 82.8 | 83.9 | 85.0 | 85.0   |
| ≥ 500             |                            | 62.4 | 69.9 | 81.7 | 82.8 | 82.8 | 85.0 | 86.0 | 86.0 | 86.0 | 87.1 | 88.2 | 88.2   |
| ≥ 400             |                            | 62.4 | 69.9 | 81.7 | 82.8 | 82.8 | 85.0 | 86.0 | 86.0 | 86.0 | 87.1 | 88.2 | 88.2   |
| ≥ 300             |                            | 62.4 | 69.9 | 82.8 | 83.9 | 83.9 | 86.0 | 87.1 | 87.1 | 87.1 | 88.2 | 89.3 | 89.3   |
| ≥ 200             |                            | 62.4 | 69.9 | 82.8 | 83.9 | 83.9 | 86.0 | 87.1 | 87.1 | 87.1 | 88.2 | 89.3 | 89.3   |
| ≥ 100             |                            | 62.4 | 69.9 | 82.8 | 83.9 | 83.9 | 86.0 | 87.1 | 87.1 | 87.1 | 88.2 | 89.3 | 89.3   |
| 0                 |                            | 62.4 | 69.9 | 82.8 | 83.9 | 83.9 | 86.0 | 87.1 | 87.1 | 87.1 | 88.2 | 89.3 | 89.3   |

TOTAL NUMBER OF OBSERVATIONS

93

NAVWEASERVCOM

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSO

74-76

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (L.S.T.)

4555

HHH

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      | ≥ 0    |
| ≥ 20000           |                            | 37.6 | 41.9 | 44.1 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 46.2 | 46.2 | 46.2 | 46.2   |
| ≥ 18000           |                            | 41.9 | 46.2 | 48.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 51.6 | 51.6 | 51.6 | 51.6   |
| ≥ 16000           |                            | 41.9 | 46.2 | 48.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 51.6 | 51.6 | 51.6 | 51.6   |
| ≥ 14000           |                            | 41.9 | 46.2 | 48.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 51.6 | 51.6 | 51.6 | 51.6   |
| ≥ 12000           |                            | 41.9 | 46.2 | 48.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 51.6 | 51.6 | 51.6 | 51.6   |
| ≥ 10000           |                            | 41.9 | 46.2 | 48.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 51.6 | 51.6 | 51.6 | 51.6   |
| ≥ 9000            |                            | 43.0 | 48.4 | 50.5 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 53.8 | 53.8 | 53.8 | 53.8   |
| ≥ 8000            |                            | 49.5 | 54.8 | 57.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 60.2 | 60.2 | 60.2 | 60.2   |
| ≥ 7000            |                            | 50.5 | 55.9 | 58.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 61.3 | 61.3 | 61.3 | 61.3   |
| ≥ 6000            |                            | 50.5 | 55.9 | 58.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 61.3 | 61.3 | 61.3 | 61.3   |
| ≥ 5000            |                            | 50.5 | 55.9 | 58.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 61.3 | 61.3 | 61.3 | 61.3   |
| ≥ 4500            |                            | 50.5 | 55.9 | 58.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 61.3 | 61.3 | 61.3 | 61.3   |
| ≥ 4000            |                            | 51.6 | 57.0 | 59.1 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 62.4 | 62.4 | 62.4 | 62.4   |
| ≥ 3500            |                            | 54.8 | 60.2 | 62.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 65.6 | 65.6 | 65.6 | 65.6   |
| ≥ 3000            |                            | 60.2 | 65.6 | 67.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 71.0 | 71.0 | 71.0 | 71.0   |
| ≥ 2500            |                            | 61.3 | 67.7 | 69.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 73.1 | 73.1 | 73.1 | 73.1   |
| ≥ 2000            |                            | 61.3 | 68.8 | 72.0 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 76.3 | 76.3 | 76.3 | 76.3   |
| ≥ 1800            |                            | 61.3 | 68.8 | 72.0 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 76.3 | 76.3 | 76.3 | 76.3   |
| ≥ 1500            |                            | 63.4 | 71.0 | 75.3 | 80.7 | 80.7 | 80.7 | 81.7 | 81.7 | 82.8 | 82.8 | 83.9 | 85.0   |
| ≥ 1200            |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 82.8 | 83.9 | 83.9 | 85.0 | 85.0 | 86.0 | 87.1   |
| ≥ 1000            |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| ≥ 900             |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| ≥ 800             |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| ≥ 700             |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| ≥ 600             |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| ≥ 500             |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| ≥ 400             |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| ≥ 300             |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| ≥ 200             |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| ≥ 100             |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |
| 0                 |                            | 63.4 | 72.0 | 76.3 | 81.7 | 82.8 | 83.9 | 85.0 | 86.0 | 87.1 | 87.1 | 88.2 | 89.3   |

TOTAL NUMBER OF OBSERVATIONS

93

NAVWEASERVCOM



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 74-76

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 44.1                       | 48.4 | 48.4 | 48.4 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5   | 49.5 |
| AI 18000          | 49.5                       | 54.8 | 54.8 | 54.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9   | 55.9 |
| AI 16000          | 49.5                       | 54.8 | 54.8 | 54.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9   | 55.9 |
| AI 14000          | 49.5                       | 54.8 | 54.8 | 54.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9   | 55.9 |
| AI 12000          | 49.5                       | 54.8 | 54.8 | 54.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9   | 55.9 |
| AI 10000          | 49.5                       | 54.8 | 54.8 | 54.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9   | 55.9 |
| AI 9000           | 49.5                       | 54.8 | 54.8 | 54.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9   | 55.9 |
| AI 8000           | 57.0                       | 63.4 | 63.4 | 63.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5   | 64.5 |
| AI 7000           | 58.1                       | 64.5 | 64.5 | 64.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6   | 65.6 |
| AI 6000           | 58.1                       | 64.5 | 64.5 | 64.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6   | 65.6 |
| AI 5000           | 58.1                       | 64.5 | 64.5 | 64.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6   | 65.6 |
| AI 4500           | 58.1                       | 64.5 | 64.5 | 64.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6   | 65.6 |
| AI 4000           | 60.2                       | 66.7 | 66.7 | 66.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   | 67.7 |
| AI 3500           | 62.4                       | 68.8 | 68.8 | 68.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 |
| AI 3000           | 64.5                       | 73.1 | 73.1 | 73.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3   | 75.3 |
| AI 2500           | 67.7                       | 76.3 | 76.3 | 76.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6   | 79.6 |
| AI 2000           | 67.7                       | 77.4 | 77.4 | 77.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7   | 81.7 |
| AI 1800           | 67.7                       | 77.4 | 77.4 | 77.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7   | 81.7 |
| AI 1500           | 71.0                       | 80.7 | 80.7 | 80.7 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   | 85.0 |
| AI 1200           | 71.0                       | 80.7 | 80.7 | 80.7 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0   | 86.0 |
| AI 1000           | 71.0                       | 80.7 | 80.7 | 80.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 |
| AI 900            | 71.0                       | 80.7 | 80.7 | 80.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 |
| AI 800            | 72.0                       | 81.7 | 81.7 | 81.7 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2   | 88.2 |
| AI 700            | 73.1                       | 82.8 | 82.8 | 82.8 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3   | 89.3 |
| AI 600            | 73.1                       | 82.8 | 82.8 | 82.8 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3   | 89.3 |
| AI 500            | 73.1                       | 82.8 | 82.8 | 82.8 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| AI 400            | 73.1                       | 82.8 | 82.8 | 82.8 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   | 91.4 |
| AI 300            | 73.1                       | 82.8 | 82.8 | 82.8 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   | 91.4 |
| AI 200            | 73.1                       | 82.8 | 82.8 | 82.8 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   | 91.4 |
| AI 100            | 73.1                       | 82.8 | 82.8 | 82.8 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   | 91.4 |
| AI AI             | 73.1                       | 82.8 | 82.8 | 82.8 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   | 91.4 |

TOTAL NUMBER OF OBSERVATIONS

93



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

74-76

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           |                            | 46.2 | 47.3 | 47.3 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4   | 46.4 |
| 18000             |                            | 57.0 | 58.1 | 58.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1   | 59.1 |
| 16000             |                            | 57.0 | 58.1 | 58.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1   | 59.1 |
| 14000             |                            | 57.0 | 58.1 | 58.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1   | 59.1 |
| 12000             |                            | 57.0 | 58.1 | 58.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1   | 59.1 |
| 10000             |                            | 59.1 | 60.2 | 60.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3   | 61.3 |
| 9000              |                            | 59.1 | 60.2 | 60.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3   | 61.3 |
| 8000              |                            | 67.7 | 69.9 | 69.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 |
| 7000              |                            | 68.8 | 71.0 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0   | 72.0 |
| 6000              |                            | 68.8 | 71.0 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0   | 72.0 |
| 5000              |                            | 68.8 | 71.0 | 71.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0   | 72.0 |
| 4500              |                            | 69.9 | 72.0 | 72.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1   | 73.1 |
| 4000              |                            | 71.0 | 73.1 | 73.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2 |
| 3500              |                            | 71.0 | 73.1 | 73.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2 |
| 3000              |                            | 74.2 | 76.3 | 77.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5   | 78.5 |
| 2500              |                            | 74.2 | 76.3 | 77.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5   | 78.5 |
| 2000              |                            | 77.4 | 80.7 | 81.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9   | 83.9 |
| 1800              |                            | 77.4 | 80.7 | 81.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9   | 83.9 |
| 1500              |                            | 78.5 | 82.8 | 83.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 |
| 1200              |                            | 78.5 | 83.9 | 85.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2   | 88.2 |
| 1000              |                            | 78.5 | 83.9 | 86.0 | 90.3 | 90.3 | 90.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   | 91.4 |
| 900               |                            | 78.5 | 83.9 | 86.0 | 90.3 | 90.3 | 90.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   | 91.4 |
| 800               |                            | 79.6 | 85.0 | 87.1 | 91.4 | 91.4 | 91.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7   | 95.7 |
| 700               |                            | 79.6 | 85.0 | 87.1 | 91.4 | 91.4 | 91.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7   | 95.7 |
| 600               |                            | 79.6 | 85.0 | 87.1 | 91.4 | 91.4 | 91.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7   | 95.7 |
| 500               |                            | 79.6 | 85.0 | 87.1 | 91.4 | 91.4 | 91.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7   | 95.7 |
| 400               |                            | 79.6 | 85.0 | 87.1 | 91.4 | 91.4 | 91.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7   | 95.7 |
| 300               |                            | 79.6 | 85.0 | 87.1 | 91.4 | 91.4 | 91.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7   | 95.7 |
| 200               |                            | 79.6 | 85.0 | 87.1 | 91.4 | 91.4 | 91.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7   | 95.7 |
| 100               |                            | 79.6 | 85.0 | 87.1 | 91.4 | 91.4 | 91.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7   | 95.7 |
| 0                 |                            | 79.6 | 85.0 | 87.1 | 91.4 | 91.4 | 91.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7   | 95.7 |

TOTAL NUMBER OF OBSERVATIONS

92

NAVWEASERVCOM

4553

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

HHH

## CEILING VERSUS VISIBILITY

13753  
STATION

CHARLESTON, SOUTH CAROLINA NWSO

74-76

YEARS

JAN  
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           |                            | 53.8 | 55.9 | 57.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| ≥ 18000           |                            | 54.8 | 57.0 | 58.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 16000           |                            | 54.8 | 57.0 | 58.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 14000           |                            | 54.8 | 57.0 | 58.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 12000           |                            | 54.8 | 57.0 | 58.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 10000           |                            | 55.9 | 58.1 | 59.1 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 9000            |                            | 57.0 | 59.1 | 60.2 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| ≥ 8000            |                            | 65.6 | 67.7 | 68.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| ≥ 7000            |                            | 66.7 | 68.8 | 69.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 6000            |                            | 66.7 | 68.8 | 69.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 5000            |                            | 67.7 | 69.9 | 71.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| ≥ 4500            |                            | 69.9 | 72.0 | 73.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| ≥ 4000            |                            | 71.0 | 74.2 | 75.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 3500            |                            | 73.1 | 78.5 | 79.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥ 3000            |                            | 73.1 | 78.5 | 79.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥ 2500            |                            | 74.2 | 80.7 | 81.7 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 2000            |                            | 74.2 | 80.7 | 81.7 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 1800            |                            | 74.2 | 80.7 | 81.7 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 1500            |                            | 74.2 | 80.7 | 81.7 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 1200            |                            | 75.3 | 82.8 | 85.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 1000            |                            | 75.3 | 82.8 | 85.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 900             |                            | 76.3 | 83.9 | 86.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 800             |                            | 76.3 | 83.9 | 86.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 700             |                            | 76.3 | 83.9 | 86.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 600             |                            | 76.3 | 83.9 | 86.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 500             |                            | 76.3 | 83.9 | 86.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 400             |                            | 77.4 | 85.0 | 87.1 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 300             |                            | 77.4 | 85.0 | 87.1 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 200             |                            | 77.4 | 85.0 | 87.1 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 100             |                            | 77.4 | 85.0 | 87.1 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 0                 |                            | 77.4 | 85.0 | 87.1 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |

TOTAL NUMBER OF OBSERVATIONS

93

NAVWEASERVCOM

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NW5ED 74-75

YEARS

JAN  
MONTH

22

HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |
| ≥ 20000           |                            | 60.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3   |
| 18000             |                            | 61.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4   |
| 16000             |                            | 61.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4   |
| 14000             |                            | 61.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4   |
| 12000             |                            | 61.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4   |
| 10000             |                            | 62.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4   |
| 9000              |                            | 63.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5   |
| 8000              |                            | 66.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8   |
| 7000              |                            | 67.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9   |
| 6000              |                            | 67.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9   |
| 5000              |                            | 67.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9   |
| 4500              |                            | 67.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9   |
| 4000              |                            | 68.8 | 71.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1   |
| 3500              |                            | 68.8 | 72.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   |
| 3000              |                            | 75.3 | 79.6 | 81.7 | 81.7 | 81.7 | 81.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8   |
| 2500              |                            | 77.4 | 81.7 | 83.9 | 83.9 | 83.9 | 83.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   |
| 2000              |                            | 77.4 | 81.7 | 83.9 | 83.9 | 83.9 | 83.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   |
| 1800              |                            | 77.4 | 81.7 | 83.9 | 83.9 | 83.9 | 83.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   |
| 1500              |                            | 77.4 | 81.7 | 83.9 | 83.9 | 83.9 | 83.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   |
| 1200              |                            | 78.5 | 82.8 | 85.0 | 85.0 | 85.0 | 85.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0   |
| 1000              |                            | 79.6 | 83.9 | 87.1 | 87.1 | 87.1 | 87.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2   |
| 900               |                            | 79.6 | 83.9 | 87.1 | 87.1 | 87.1 | 87.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2   |
| 800               |                            | 79.6 | 86.0 | 89.3 | 89.3 | 89.3 | 89.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   |
| 700               |                            | 79.6 | 86.0 | 89.3 | 89.3 | 89.3 | 89.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   |
| 600               |                            | 79.6 | 86.0 | 89.3 | 89.3 | 89.3 | 89.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   |
| 500               |                            | 79.6 | 86.0 | 89.3 | 89.3 | 89.3 | 89.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   |
| 400               |                            | 79.6 | 86.0 | 89.3 | 89.3 | 89.3 | 89.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   |
| 300               |                            | 79.6 | 86.0 | 89.3 | 89.3 | 89.3 | 89.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   |
| 200               |                            | 79.6 | 86.0 | 89.3 | 89.3 | 89.3 | 89.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   |
| 100               |                            | 79.6 | 86.0 | 89.3 | 89.3 | 89.3 | 89.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   |
| 0                 |                            | 79.6 | 86.0 | 89.3 | 89.3 | 89.3 | 89.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4   |

TOTAL NUMBER OF OBSERVATIONS

93



## CEILING VERSUS VISIBILITY

13753  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

74-76

STATION NAME

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |       |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0   |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |       |
| ≥ 20000           |                            | 46.1 | 48.5 | 50.0 | 51.1 | 51.1 | 51.5 | 51.8 | 51.8 | 52.0 | 52.0 | 52.0 | 52.0   | 52.2 | 52.4  |
| 18000             |                            | 49.6 | 52.2 | 53.6 | 54.8 | 54.8 | 55.2 | 55.5 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8   | 55.9 | 56.3  |
| 16000             |                            | 49.6 | 52.2 | 53.6 | 54.8 | 54.8 | 55.2 | 55.5 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8   | 55.9 | 56.3  |
| 14000             |                            | 49.6 | 52.2 | 53.6 | 54.8 | 54.8 | 55.2 | 55.5 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8   | 55.9 | 56.3  |
| 12000             |                            | 49.6 | 52.2 | 53.6 | 54.8 | 54.8 | 55.2 | 55.5 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8   | 55.9 | 56.3  |
| 10000             |                            | 50.4 | 53.1 | 54.6 | 55.8 | 55.8 | 56.2 | 56.5 | 56.5 | 56.7 | 56.7 | 56.7 | 56.7   | 56.9 | 57.3  |
| 9000              |                            | 50.8 | 53.6 | 55.1 | 56.3 | 56.3 | 56.7 | 57.0 | 57.0 | 57.3 | 57.3 | 57.3 | 57.3   | 57.4 | 57.8  |
| 8000              |                            | 57.5 | 60.9 | 62.4 | 63.6 | 63.6 | 64.0 | 64.3 | 64.3 | 64.5 | 64.5 | 64.5 | 64.5   | 64.8 | 65.2  |
| 7000              |                            | 58.9 | 62.2 | 63.7 | 64.9 | 64.9 | 65.3 | 65.6 | 65.6 | 65.9 | 65.9 | 65.9 | 65.9   | 66.1 | 66.5  |
| 6000              |                            | 58.9 | 62.2 | 63.7 | 64.9 | 64.9 | 65.3 | 65.6 | 65.6 | 65.9 | 65.9 | 65.9 | 65.9   | 66.1 | 66.5  |
| 5000              |                            | 59.3 | 62.6 | 64.1 | 65.3 | 65.3 | 65.7 | 66.0 | 66.0 | 66.3 | 66.3 | 66.3 | 66.3   | 66.5 | 66.9  |
| 4500              |                            | 59.7 | 63.0 | 64.5 | 65.7 | 65.7 | 66.1 | 66.4 | 66.4 | 66.7 | 66.7 | 66.7 | 66.7   | 66.9 | 67.3  |
| 4000              |                            | 61.6 | 65.1 | 66.5 | 68.0 | 68.0 | 68.6 | 68.8 | 68.8 | 69.1 | 69.2 | 69.2 | 69.2   | 69.4 | 70.2  |
| 3500              |                            | 62.9 | 66.8 | 68.7 | 69.9 | 69.9 | 70.4 | 70.7 | 70.7 | 71.0 | 71.1 | 71.1 | 71.1   | 71.4 | 72.2  |
| 3000              |                            | 67.1 | 71.9 | 74.2 | 75.4 | 75.4 | 76.1 | 76.3 | 76.3 | 76.8 | 76.9 | 77.2 | 77.3   | 77.7 | 78.1  |
| 2500              |                            | 68.0 | 72.0 | 75.4 | 76.9 | 76.9 | 77.6 | 77.8 | 77.8 | 78.2 | 78.4 | 78.6 | 78.8   | 79.2 | 79.6  |
| 2000              |                            | 69.9 | 75.4 | 78.0 | 79.8 | 79.8 | 80.5 | 80.8 | 80.8 | 81.2 | 81.3 | 81.6 | 81.7   | 82.1 | 82.5  |
| 1800              |                            | 69.9 | 75.4 | 78.0 | 79.8 | 79.8 | 80.5 | 80.8 | 80.8 | 81.2 | 81.3 | 81.6 | 81.7   | 82.1 | 82.5  |
| 1500              |                            | 71.1 | 76.9 | 79.7 | 82.0 | 82.0 | 82.9 | 83.3 | 83.3 | 83.7 | 83.9 | 84.1 | 84.3   | 84.7 | 85.1  |
| 1200              |                            | 71.2 | 77.4 | 80.5 | 82.8 | 82.9 | 83.9 | 84.3 | 84.3 | 84.7 | 84.8 | 85.1 | 85.2   | 85.6 | 86.0  |
| 1000              |                            | 71.9 | 78.2 | 82.1 | 85.0 | 85.1 | 86.3 | 86.8 | 86.8 | 87.4 | 87.5 | 87.9 | 88.0   | 88.4 | 88.8  |
| 900               |                            | 71.9 | 78.2 | 82.1 | 85.0 | 85.1 | 86.3 | 86.8 | 86.8 | 87.5 | 87.6 | 88.0 | 88.2   | 88.6 | 89.0  |
| 800               |                            | 72.3 | 79.0 | 82.9 | 86.0 | 86.4 | 87.9 | 88.7 | 88.7 | 89.4 | 89.5 | 89.9 | 90.1   | 90.5 | 90.9  |
| 700               |                            | 72.6 | 79.3 | 83.2 | 86.3 | 86.7 | 88.2 | 89.0 | 89.0 | 89.7 | 89.8 | 90.2 | 90.3   | 90.7 | 91.1  |
| 600               |                            | 72.6 | 79.3 | 83.3 | 86.4 | 86.8 | 88.4 | 89.3 | 89.3 | 89.9 | 90.1 | 90.5 | 90.6   | 91.0 | 91.4  |
| 500               |                            | 72.6 | 79.7 | 84.3 | 87.4 | 87.9 | 89.9 | 90.7 | 90.7 | 91.4 | 91.7 | 92.2 | 92.3   | 92.7 | 93.2  |
| 400               |                            | 72.7 | 79.8 | 84.4 | 87.8 | 88.3 | 90.3 | 91.1 | 91.1 | 92.1 | 92.3 | 92.9 | 93.0   | 93.4 | 93.8  |
| 300               |                            | 72.7 | 79.8 | 84.5 | 88.0 | 88.6 | 90.9 | 91.8 | 91.8 | 93.0 | 93.3 | 94.2 | 94.4   | 94.8 | 95.2  |
| 200               |                            | 72.7 | 79.8 | 84.5 | 88.0 | 88.6 | 90.9 | 91.8 | 91.8 | 93.0 | 93.4 | 94.9 | 95.0   | 95.7 | 96.2  |
| 100               |                            | 72.7 | 79.8 | 84.5 | 88.0 | 88.6 | 90.9 | 91.8 | 91.8 | 93.0 | 93.4 | 95.2 | 95.3   | 96.4 | 97.5  |
| 0                 |                            | 72.7 | 79.8 | 84.5 | 88.0 | 88.6 | 90.9 | 91.8 | 91.8 | 93.0 | 93.4 | 95.2 | 95.3   | 96.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

744

NAVWEASERVCOM



## CEILING VERSUS VISIBILITY

13753  
STATION

CHARLESTON, SOUTH CAROLINA NWS

72-76

YEARS

FEB  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |
| ≥ 20000           |                            | 61.1 | 64.6 | 64.6 | 64.6 | 64.6 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5   |
| ≥ 18000           |                            | 65.5 | 69.9 | 69.9 | 69.9 | 69.9 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   |
| ≥ 16000           |                            | 65.5 | 69.9 | 69.9 | 69.9 | 69.9 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   |
| ≥ 14000           |                            | 65.5 | 69.9 | 69.9 | 69.9 | 69.9 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   |
| ≥ 12000           |                            | 65.5 | 69.9 | 69.9 | 69.9 | 69.9 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   |
| ≥ 10000           |                            | 66.4 | 70.8 | 70.8 | 70.8 | 70.8 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7   |
| ≥ 9000            |                            | 66.4 | 70.8 | 70.8 | 70.8 | 70.8 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7   |
| ≥ 8000            |                            | 74.3 | 80.5 | 80.5 | 80.5 | 80.5 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4   |
| ≥ 7000            |                            | 75.2 | 81.4 | 81.4 | 81.4 | 81.4 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   |
| ≥ 6000            |                            | 75.2 | 81.4 | 81.4 | 81.4 | 81.4 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   |
| ≥ 5000            |                            | 75.2 | 81.4 | 81.4 | 81.4 | 81.4 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   |
| ≥ 4500            |                            | 75.2 | 81.4 | 81.4 | 81.4 | 81.4 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   |
| ≥ 4000            |                            | 76.1 | 82.3 | 82.3 | 82.3 | 82.3 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2   |
| ≥ 3500            |                            | 77.0 | 84.1 | 84.1 | 84.1 | 84.1 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   |
| ≥ 3000            |                            | 77.9 | 85.0 | 85.0 | 85.0 | 85.0 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   |
| ≥ 2500            |                            | 77.9 | 85.0 | 85.0 | 85.0 | 85.0 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   |
| ≥ 2000            |                            | 77.9 | 85.0 | 85.0 | 85.0 | 85.0 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   |
| ≥ 1800            |                            | 77.9 | 85.0 | 85.0 | 85.0 | 85.0 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   |
| ≥ 1500            |                            | 81.4 | 89.4 | 89.4 | 89.4 | 89.4 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   |
| ≥ 1200            |                            | 81.4 | 89.4 | 89.4 | 89.4 | 89.4 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   |
| ≥ 1000            |                            | 81.4 | 89.4 | 89.4 | 89.4 | 89.4 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   |
| ≥ 900             |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 800             |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 700             |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 600             |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 500             |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 400             |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 300             |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 200             |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 100             |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| 0                 |                            | 82.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |

TOTAL NUMBER OF OBSERVATIONS

113

## CEILING VERSUS VISIBILITY

13738  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |
| ≥ 20000           |                            | 54.9 | 50.6 | 60.2 | 62.0 | 62.0 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8   |
| ≥ 18000           |                            | 58.4 | 61.1 | 64.6 | 66.4 | 66.4 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3   |
| ≥ 16000           |                            | 58.4 | 61.1 | 64.6 | 66.4 | 66.4 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3   |
| ≥ 14000           |                            | 58.4 | 61.1 | 64.6 | 66.4 | 66.4 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3   |
| ≥ 12000           |                            | 58.4 | 61.1 | 64.6 | 66.4 | 66.4 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3   |
| ≥ 10000           |                            | 59.3 | 62.0 | 65.5 | 67.3 | 67.3 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1   |
| ≥ 9000            |                            | 59.3 | 62.0 | 65.5 | 67.3 | 67.3 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1   |
| ≥ 8000            |                            | 69.0 | 72.6 | 76.1 | 77.9 | 77.9 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8   |
| ≥ 7000            |                            | 69.0 | 72.6 | 76.1 | 77.9 | 77.9 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8   |
| ≥ 6000            |                            | 69.0 | 72.6 | 76.1 | 77.9 | 77.9 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8   |
| ≥ 5000            |                            | 69.0 | 72.6 | 76.1 | 77.9 | 77.9 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8   |
| ≥ 4500            |                            | 69.0 | 73.5 | 77.9 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7   |
| ≥ 4000            |                            | 69.9 | 74.3 | 77.9 | 79.7 | 79.7 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5   |
| ≥ 3500            |                            | 70.8 | 76.1 | 79.7 | 81.4 | 81.4 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   |
| ≥ 3000            |                            | 71.7 | 77.0 | 80.5 | 82.3 | 82.3 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2   |
| ≥ 2500            |                            | 73.5 | 79.7 | 83.2 | 85.0 | 85.0 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8   |
| ≥ 2000            |                            | 74.3 | 81.4 | 85.0 | 87.6 | 87.6 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5   |
| ≥ 1800            |                            | 74.3 | 81.4 | 85.0 | 87.6 | 87.6 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5   |
| ≥ 1500            |                            | 77.9 | 85.0 | 88.5 | 91.2 | 91.2 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0   |
| ≥ 1200            |                            | 77.9 | 85.0 | 88.5 | 91.2 | 91.2 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0   |
| ≥ 1000            |                            | 77.9 | 85.0 | 88.5 | 91.2 | 91.2 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0   |
| ≥ 900             |                            | 77.9 | 85.0 | 88.5 | 91.2 | 91.2 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0   |
| ≥ 800             |                            | 77.9 | 85.0 | 88.5 | 91.2 | 91.2 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0   |
| ≥ 700             |                            | 77.9 | 85.0 | 89.4 | 92.9 | 92.9 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8   |
| ≥ 600             |                            | 77.9 | 85.8 | 91.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5   |
| ≥ 500             |                            | 77.9 | 85.8 | 91.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5   |
| ≥ 400             |                            | 77.9 | 85.8 | 91.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5   |
| ≥ 300             |                            | 77.9 | 85.8 | 91.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5   |
| ≥ 200             |                            | 77.9 | 85.8 | 91.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5   |
| ≥ 100             |                            | 77.9 | 85.8 | 91.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5   |
| ≥ 0               |                            | 77.9 | 85.8 | 91.2 | 95.6 | 95.6 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5   |

TOTAL NUMBER OF OBSERVATIONS

113

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NASD

73-75

YEARS

FEB  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (L.S.T.)

4547

MMHH

5703 CEILING VERSUS VISIBILITY JAN 68

MMHH

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 36.3                       | 42.5 | 45.9 | 50.4 | 53.1 | 56.6 | 56.6 | 56.6 | 56.6 | 57.5 | 57.5 | 58.4 | 58.4   | 59.3 |
| 18000             | 40.7                       | 46.9 | 52.2 | 55.8 | 58.4 | 62.0 | 62.0 | 62.0 | 62.0 | 62.8 | 62.8 | 63.7 | 63.7   | 64.6 |
| 16000             | 40.7                       | 46.9 | 52.2 | 55.8 | 58.4 | 62.0 | 62.0 | 62.0 | 62.0 | 62.8 | 62.8 | 63.7 | 63.7   | 64.6 |
| 14000             | 40.7                       | 46.9 | 52.2 | 55.8 | 58.4 | 62.0 | 62.0 | 62.0 | 62.0 | 62.8 | 62.8 | 63.7 | 63.7   | 64.6 |
| 12000             | 40.7                       | 46.9 | 52.2 | 55.8 | 58.4 | 62.0 | 62.0 | 62.0 | 62.0 | 62.8 | 62.8 | 63.7 | 63.7   | 64.6 |
| 10000             | 41.6                       | 48.7 | 54.0 | 57.5 | 60.2 | 63.7 | 63.7 | 63.7 | 63.7 | 64.6 | 64.6 | 65.5 | 65.5   | 66.4 |
| 9000              | 42.5                       | 49.6 | 54.9 | 59.3 | 62.0 | 65.5 | 65.5 | 65.5 | 65.5 | 66.4 | 66.4 | 67.3 | 67.3   | 68.1 |
| 8000              | 42.5                       | 49.6 | 54.9 | 59.3 | 62.0 | 65.5 | 65.5 | 65.5 | 65.5 | 66.4 | 66.4 | 67.3 | 67.3   | 68.1 |
| 7000              | 46.0                       | 54.9 | 60.2 | 64.6 | 67.3 | 70.8 | 70.8 | 70.8 | 70.8 | 71.7 | 71.7 | 72.6 | 72.6   | 73.5 |
| 6000              | 46.0                       | 54.9 | 60.2 | 64.6 | 67.3 | 70.8 | 70.8 | 70.8 | 70.8 | 71.7 | 71.7 | 72.6 | 72.6   | 73.5 |
| 5000              | 46.0                       | 54.9 | 60.2 | 64.6 | 67.3 | 70.8 | 70.8 | 70.8 | 70.8 | 71.7 | 71.7 | 72.6 | 72.6   | 73.5 |
| 4500              | 46.9                       | 56.6 | 62.0 | 66.4 | 69.0 | 72.6 | 72.6 | 72.6 | 72.6 | 73.5 | 73.5 | 74.3 | 74.3   | 75.2 |
| 4000              | 47.8                       | 57.5 | 63.7 | 68.1 | 70.8 | 74.3 | 74.3 | 74.3 | 74.3 | 75.2 | 75.2 | 76.1 | 76.1   | 77.0 |
| 3500              | 49.6                       | 59.3 | 65.5 | 69.9 | 72.6 | 76.1 | 76.1 | 76.1 | 76.1 | 77.0 | 77.0 | 77.9 | 77.9   | 78.8 |
| 3000              | 51.3                       | 61.1 | 67.3 | 71.7 | 74.3 | 77.9 | 77.9 | 77.9 | 77.9 | 78.8 | 78.8 | 79.7 | 79.7   | 80.5 |
| 2500              | 52.2                       | 62.0 | 69.0 | 73.5 | 76.1 | 79.7 | 79.7 | 79.7 | 79.7 | 80.5 | 80.5 | 81.4 | 81.4   | 82.3 |
| 2000              | 54.9                       | 64.6 | 71.7 | 76.1 | 79.7 | 83.2 | 83.2 | 83.2 | 83.2 | 84.1 | 84.1 | 85.0 | 85.0   | 85.8 |
| 1800              | 54.9                       | 64.6 | 71.7 | 76.1 | 79.7 | 83.2 | 83.2 | 83.2 | 83.2 | 84.1 | 84.1 | 85.0 | 85.0   | 85.8 |
| 1500              | 57.5                       | 67.3 | 74.3 | 79.7 | 83.2 | 86.7 | 86.7 | 86.7 | 86.7 | 87.6 | 87.6 | 88.5 | 88.5   | 89.4 |
| 1200              | 57.5                       | 67.3 | 74.3 | 79.7 | 83.2 | 86.7 | 86.7 | 86.7 | 86.7 | 87.6 | 87.6 | 88.5 | 88.5   | 89.4 |
| 1000              | 58.4                       | 68.1 | 75.2 | 80.5 | 84.1 | 87.6 | 87.6 | 87.6 | 87.6 | 88.5 | 88.5 | 89.4 | 89.4   | 90.3 |
| 900               | 58.4                       | 68.1 | 75.2 | 80.5 | 84.1 | 87.6 | 87.6 | 87.6 | 87.6 | 88.5 | 88.5 | 89.4 | 89.4   | 90.3 |
| 800               | 58.4                       | 68.1 | 75.2 | 81.4 | 85.0 | 88.5 | 88.5 | 88.5 | 88.5 | 89.4 | 89.4 | 90.3 | 90.3   | 91.2 |
| 700               | 58.4                       | 68.1 | 75.2 | 81.4 | 85.0 | 88.5 | 88.5 | 88.5 | 88.5 | 89.4 | 89.4 | 90.3 | 90.3   | 91.2 |
| 600               | 58.4                       | 68.1 | 76.1 | 83.2 | 87.6 | 91.2 | 91.2 | 91.2 | 91.2 | 92.0 | 92.0 | 92.9 | 92.9   | 93.8 |
| 500               | 58.4                       | 68.1 | 76.1 | 84.1 | 88.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.9 | 92.9 | 93.8 | 93.8   | 94.7 |
| 400               | 58.4                       | 68.1 | 77.0 | 85.0 | 89.4 | 92.9 | 92.9 | 92.9 | 92.9 | 93.8 | 93.8 | 94.7 | 94.7   | 95.6 |
| 300               | 58.4                       | 68.1 | 77.0 | 85.0 | 89.4 | 92.9 | 92.9 | 92.9 | 92.9 | 93.8 | 93.8 | 94.7 | 94.7   | 95.6 |
| 200               | 58.4                       | 68.1 | 77.0 | 85.0 | 89.4 | 92.9 | 92.9 | 92.9 | 92.9 | 93.8 | 93.8 | 94.7 | 94.7   | 95.6 |
| 100               | 58.4                       | 68.1 | 77.0 | 85.0 | 89.4 | 92.9 | 92.9 | 92.9 | 92.9 | 93.8 | 93.8 | 94.7 | 94.7   | 95.6 |
| 0                 | 58.4                       | 68.1 | 77.0 | 85.0 | 89.4 | 92.9 | 92.9 | 92.9 | 92.9 | 93.8 | 93.8 | 94.7 | 94.7   | 95.6 |

TOTAL NUMBER OF OBSERVATIONS

113



# CEILING VERSUS VISIBILITY

CHARLESTON, SOUTH CAROLINA NWSE 73-76 YEARS MONTH FEB 10 HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        | 37.2                       | 44.3 | 52.2 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0   | 54.0 |
| ≥ 20000           | 38.9                       | 47.8 | 56.6 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3   | 59.3 |
| 18000             | 38.9                       | 47.8 | 57.5 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2   | 60.2 |
| 16000             | 38.9                       | 47.8 | 57.5 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2   | 60.2 |
| 14000             | 38.9                       | 48.7 | 58.4 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1   | 61.1 |
| 12000             | 39.8                       | 49.6 | 59.3 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0   | 62.0 |
| 10000             | 39.8                       | 49.6 | 59.3 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0   | 62.0 |
| 9000              | 39.8                       | 49.6 | 59.3 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0   | 62.0 |
| 8000              | 43.4                       | 54.0 | 63.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4   | 66.4 |
| 7000              | 43.4                       | 54.0 | 64.6 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3   | 67.3 |
| 6000              | 43.4                       | 54.0 | 64.6 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3   | 67.3 |
| 5000              | 43.4                       | 54.0 | 64.6 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3   | 67.3 |
| 4500              | 45.1                       | 56.5 | 66.4 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0   | 69.0 |
| 4000              | 47.8                       | 59.3 | 69.0 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7   | 71.7 |
| 3500              | 50.4                       | 62.0 | 71.7 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2   | 75.2 |
| 3000              | 53.1                       | 65.5 | 75.2 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8   | 78.8 |
| 2500              | 54.9                       | 69.0 | 78.8 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   | 82.3 |
| 2000              | 55.8                       | 69.9 | 80.5 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8   | 85.8 |
| 1800              | 55.8                       | 69.9 | 80.5 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8   | 85.8 |
| 1500              | 55.8                       | 70.6 | 82.3 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6   | 87.6 |
| 1200              | 56.6                       | 71.7 | 83.2 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5   | 88.5 |
| 1000              | 58.4                       | 73.5 | 85.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| 900               | 58.4                       | 73.5 | 85.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| 800               | 58.4                       | 73.5 | 85.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 |
| 700               | 58.4                       | 73.5 | 85.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 |
| 600               | 58.4                       | 73.5 | 85.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 |
| 500               | 58.4                       | 76.1 | 88.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   | 94.7 |
| 400               | 58.4                       | 76.1 | 88.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   | 95.6 |
| 300               | 58.4                       | 76.1 | 88.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   | 95.6 |
| 200               | 58.4                       | 76.1 | 88.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   | 95.6 |
| 100               | 58.4                       | 76.1 | 88.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   | 95.6 |
| 0                 | 58.4                       | 76.1 | 88.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   | 95.6 |

TOTAL NUMBER OF OBSERVATIONS 113

NAVWEASERVCOM

MMH

5703 CEILING VERSUS VISIBILITY JAN 68

MMH

1234-18766



## CEILING VERSUS VISIBILITY

STATION 13758 CHARLESTON, SOUTH CAROLINA USED 73-70 YEARS MONTH FEB 13 HOURS (LST) 13

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            | 49.6 | 51.3 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1   | 53.1 | 53.1 |
| ≥ 20000           |                            | 59.2 | 64.6 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3   | 67.3 | 67.3 |
| 18000             |                            | 60.2 | 65.5 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1   | 68.1 | 68.1 |
| 16000             |                            | 60.2 | 65.5 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1   | 68.1 | 68.1 |
| 14000             |                            | 60.2 | 65.5 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1   | 68.1 | 68.1 |
| 12000             |                            | 61.1 | 66.4 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0   | 69.0 | 69.0 |
| 10000             |                            | 62.8 | 68.1 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   | 70.8 | 70.8 |
| 9000              |                            | 62.8 | 68.1 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   | 70.8 | 70.8 |
| 8000              |                            | 67.3 | 73.5 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1   | 76.1 | 76.1 |
| 7000              |                            | 69.0 | 75.1 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8   | 78.8 | 78.8 |
| 6000              |                            | 69.0 | 76.1 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| 5000              |                            | 69.0 | 76.1 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| 4500              |                            | 69.0 | 76.1 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| 4000              |                            | 69.9 | 78.8 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   | 82.3 | 82.3 |
| 3500              |                            | 71.7 | 80.5 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1   | 84.1 | 84.1 |
| 3000              |                            | 72.6 | 81.4 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   | 85.0 | 85.0 |
| 2500              |                            | 73.5 | 83.2 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6   | 87.6 | 87.6 |
| 2000              |                            | 75.2 | 85.0 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4   | 89.4 | 89.4 |
| 1800              |                            | 75.2 | 85.0 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4   | 89.4 | 89.4 |
| 1500              |                            | 76.1 | 85.8 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 | 90.3 |
| 1200              |                            | 76.1 | 85.8 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 | 90.3 |
| 1000              |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 900               |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 800               |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 700               |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 600               |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 500               |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 400               |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 300               |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 200               |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 100               |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 0                 |                            | 76.1 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |

TOTAL NUMBER OF OBSERVATIONS

113

NAVWEASERVCOM

4545

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HMM

HMM

## CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA NAWS 73-73 YEARS MONTH FEB 16 HOURS (LST) 16

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ 5/16 |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |        |
| ≥ 20000           | 48.7                       | 53.1 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0   |
| ≥ 18000           | 58.4                       | 65.5 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4   |
| ≥ 16000           | 58.4                       | 65.5 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4   |
| ≥ 14000           | 58.4                       | 65.5 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4   |
| ≥ 12000           | 59.3                       | 66.4 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1   |
| ≥ 10000           | 62.0                       | 69.0 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   |
| ≥ 9000            | 62.0                       | 69.0 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   |
| ≥ 8000            | 66.4                       | 75.2 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0   |
| ≥ 7000            | 69.0                       | 77.9 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7   |
| ≥ 6000            | 69.0                       | 77.9 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7   |
| ≥ 5000            | 69.0                       | 77.9 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7   |
| ≥ 4500            | 69.9                       | 78.8 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4   |
| ≥ 4000            | 69.9                       | 80.5 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2   |
| ≥ 3500            | 71.7                       | 82.3 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   |
| ≥ 3000            | 72.6                       | 83.2 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8   |
| ≥ 2500            | 74.3                       | 85.8 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5   |
| ≥ 2000            | 76.1                       | 87.6 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 1800            | 76.1                       | 87.6 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   |
| ≥ 1500            | 77.9                       | 89.4 | 92.9 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8   |
| ≥ 1200            | 77.9                       | 89.4 | 92.9 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8   |
| ≥ 1000            | 77.9                       | 90.3 | 93.8 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   |
| ≥ 900             | 77.9                       | 90.3 | 93.8 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   |
| ≥ 800             | 78.8                       | 91.2 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   |
| ≥ 700             | 78.8                       | 91.2 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   |
| ≥ 600             | 78.8                       | 91.2 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   |
| ≥ 500             | 78.8                       | 91.2 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   |
| ≥ 400             | 78.8                       | 91.2 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   |
| ≥ 300             | 78.8                       | 91.2 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   |
| ≥ 200             | 78.8                       | 91.2 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   |
| ≥ 100             | 78.8                       | 91.2 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   |
| 0                 | 78.8                       | 91.2 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6   |

TOTAL NUMBER OF OBSERVATIONS

113

NAVWEASERVCOM

1234 - 18766

5703 CEILING VERSUS VISIBILITY JAN 68

## CEILING VERSUS VISIBILITY

13758 STATION NAME CHARLESTON, SOUTH CAROLINA NWSE 73-76 YEARS MONTH FEB 19 HOURS (LST) 19

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      | ≥ 10 |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            | 54.9 | 57.5 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4   | 58.4 | 58.4 |
| ≥ 20000           |                            | 58.4 | 61.1 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8   | 62.8 | 62.8 |
| 18000             |                            | 58.4 | 61.1 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8   | 62.8 | 62.8 |
| 16000             |                            | 58.4 | 61.1 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8   | 62.8 | 62.8 |
| 14000             |                            | 58.4 | 62.0 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7   | 63.7 | 63.7 |
| 12000             |                            | 58.4 | 62.0 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7   | 63.7 | 63.7 |
| 10000             |                            | 60.2 | 63.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4   | 66.4 | 66.4 |
| 9000              |                            | 60.2 | 63.7 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4   | 66.4 | 66.4 |
| 8000              |                            | 65.5 | 69.9 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5   | 73.5 | 73.5 |
| 7000              |                            | 65.5 | 70.8 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3   | 74.3 | 74.3 |
| 6000              |                            | 65.5 | 70.8 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3   | 74.3 | 74.3 |
| 5000              |                            | 67.3 | 72.6 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1   | 76.1 | 76.1 |
| 4500              |                            | 68.1 | 73.5 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0   | 77.0 | 77.0 |
| 4000              |                            | 70.8 | 76.1 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7   | 79.7 | 79.7 |
| 3500              |                            | 72.6 | 77.9 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4   | 81.4 | 81.4 |
| 3000              |                            | 73.2 | 80.5 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1   | 84.1 | 84.1 |
| 2500              |                            | 77.0 | 82.3 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8   | 85.8 | 85.8 |
| 2000              |                            | 78.8 | 85.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 | 90.3 |
| 1800              |                            | 78.8 | 85.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 | 90.3 |
| 1500              |                            | 79.7 | 85.8 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 1200              |                            | 79.7 | 85.8 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 1000              |                            | 80.5 | 86.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9   | 92.9 | 92.9 |
| 900               |                            | 80.5 | 86.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9   | 92.9 | 92.9 |
| 800               |                            | 80.5 | 86.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9   | 92.9 | 92.9 |
| 700               |                            | 80.5 | 86.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9   | 92.9 | 92.9 |
| 600               |                            | 80.5 | 87.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   | 94.7 | 94.7 |
| 500               |                            | 80.5 | 87.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   | 94.7 | 94.7 |
| 400               |                            | 80.5 | 87.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   | 94.7 | 94.7 |
| 300               |                            | 80.5 | 87.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   | 94.7 | 94.7 |
| 200               |                            | 80.5 | 87.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   | 94.7 | 94.7 |
| 100               |                            | 80.5 | 87.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   | 94.7 | 94.7 |
| 0                 |                            | 80.5 | 87.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7   | 94.7 | 94.7 |

TOTAL NUMBER OF OBSERVATIONS 113

NAVWEASERVCOM



# CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA NNSD 73-70 YEARS MONTH FEB 22 HOURS (LST.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      | ≥ 0  |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            | 60.2 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0   | 62.0 | 62.0 |
| ≥ 20000           |                            | 65.5 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9   | 69.9 | 69.9 |
| ≥ 18000           |                            | 65.5 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9   | 69.9 | 69.9 |
| ≥ 16000           |                            | 65.5 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9   | 69.9 | 69.9 |
| ≥ 14000           |                            | 65.5 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9   | 69.9 | 69.9 |
| ≥ 12000           |                            | 66.4 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   | 70.8 | 70.8 |
| ≥ 10000           |                            | 69.0 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3   | 74.3 | 74.3 |
| ≥ 9000            |                            | 69.0 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3   | 74.3 | 74.3 |
| ≥ 8000            |                            | 74.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5   | 80.5 | 80.5 |
| ≥ 7000            |                            | 75.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4   | 81.4 | 81.4 |
| ≥ 6000            |                            | 75.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4   | 81.4 | 81.4 |
| ≥ 5000            |                            | 75.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4   | 81.4 | 81.4 |
| ≥ 4500            |                            | 77.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2   | 83.2 | 83.2 |
| ≥ 4000            |                            | 77.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2   | 83.2 | 83.2 |
| ≥ 3500            |                            | 77.0 | 83.2 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1   | 84.1 | 84.1 |
| ≥ 3000            |                            | 77.0 | 83.2 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   | 85.0 | 85.0 |
| ≥ 2500            |                            | 77.0 | 83.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   | 86.7 | 86.7 |
| ≥ 2000            |                            | 77.9 | 85.0 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4   | 89.4 | 89.4 |
| ≥ 1800            |                            | 77.9 | 85.0 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4   | 89.4 | 89.4 |
| ≥ 1500            |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 1200            |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 1000            |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 900             |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 800             |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 700             |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 600             |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 500             |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 400             |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 300             |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 200             |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| ≥ 100             |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |
| 0                 |                            | 79.7 | 86.7 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2   | 91.2 | 91.2 |

TOTAL NUMBER OF OBSERVATIONS 113



## CEILING VERSUS VISIBILITY

13738  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-75

YEARS

FEB  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (15 T.)

4541

MMM

5703 CEILING VERSUS VISIBILITY JAN 68

MMM

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 50.3                       | 54.0 | 56.4 | 57.3 | 57.6 | 58.3 | 58.3 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.5   | 58.6 |
| ≥ 18000           | 55.6                       | 60.8 | 63.7 | 64.7 | 65.0 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.9   | 66.0 |
| ≥ 16000           | 55.8                       | 61.0 | 63.9 | 64.9 | 65.3 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.2   | 66.3 |
| ≥ 14000           | 55.8                       | 61.0 | 63.9 | 64.9 | 65.3 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.2   | 66.3 |
| ≥ 12000           | 55.9                       | 61.4 | 64.5 | 65.5 | 65.8 | 66.5 | 66.5 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.7   | 66.8 |
| ≥ 10000           | 56.2                       | 61.8 | 64.9 | 65.9 | 66.3 | 66.9 | 66.9 | 66.9 | 66.9 | 67.0 | 67.0 | 67.0 | 67.2   | 67.3 |
| ≥ 8000            | 57.7                       | 63.4 | 66.6 | 67.7 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.9   | 69.0 |
| ≥ 7000            | 57.7                       | 63.4 | 66.6 | 67.7 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.9   | 69.0 |
| ≥ 6000            | 63.3                       | 70.1 | 73.5 | 74.6 | 74.9 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.8   | 75.9 |
| ≥ 5000            | 64.1                       | 71.2 | 74.6 | 75.7 | 76.0 | 76.7 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.9   | 77.0 |
| ≥ 4500            | 64.1                       | 71.2 | 74.6 | 75.7 | 76.0 | 76.7 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.9   | 77.0 |
| ≥ 4000            | 64.4                       | 71.6 | 74.9 | 76.0 | 76.3 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 | 77.2   | 77.3 |
| ≥ 3500            | 65.0                       | 72.5 | 75.9 | 77.0 | 77.3 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.2   | 78.3 |
| ≥ 3000            | 66.2                       | 74.0 | 77.7 | 78.8 | 79.1 | 79.8 | 79.8 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 80.0   | 80.1 |
| ≥ 2500            | 67.6                       | 75.7 | 79.4 | 80.6 | 81.0 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 82.0   | 82.1 |
| ≥ 2000            | 68.9                       | 77.1 | 81.1 | 82.3 | 82.6 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.6   | 83.7 |
| ≥ 1800            | 70.0                       | 78.8 | 83.3 | 84.5 | 84.9 | 85.7 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 86.0   | 86.1 |
| ≥ 1500            | 71.4                       | 80.5 | 85.6 | 87.3 | 87.7 | 88.6 | 88.6 | 88.6 | 88.6 | 88.8 | 88.8 | 88.8 | 88.9   | 89.1 |
| ≥ 1200            | 71.4                       | 80.5 | 85.6 | 87.3 | 87.7 | 88.6 | 88.6 | 88.6 | 88.6 | 88.8 | 88.8 | 88.8 | 88.9   | 89.1 |
| ≥ 1000            | 73.2                       | 82.5 | 87.8 | 89.6 | 90.0 | 90.9 | 90.9 | 90.9 | 90.9 | 91.2 | 91.2 | 91.2 | 91.3   | 91.4 |
| ≥ 900             | 73.3                       | 82.6 | 87.9 | 89.7 | 90.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.5   | 91.6 |
| ≥ 800             | 73.8                       | 83.3 | 88.7 | 90.5 | 90.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.2 | 92.2 | 92.2 | 92.3   | 92.4 |
| ≥ 700             | 73.9                       | 83.4 | 88.8 | 90.6 | 91.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.3 | 92.3 | 92.3 | 92.4   | 92.5 |
| ≥ 600             | 74.0                       | 83.6 | 89.2 | 91.5 | 92.2 | 93.1 | 93.1 | 93.1 | 93.1 | 93.4 | 93.4 | 93.4 | 93.5   | 93.6 |
| ≥ 500             | 74.0                       | 83.6 | 89.2 | 91.5 | 92.2 | 93.1 | 93.1 | 93.1 | 93.1 | 93.4 | 93.4 | 93.4 | 93.5   | 93.6 |
| ≥ 400             | 74.0                       | 84.3 | 90.5 | 93.6 | 94.6 | 95.8 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.2   | 96.4 |
| ≥ 300             | 74.0                       | 84.3 | 90.5 | 93.6 | 94.6 | 95.8 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.2   | 96.4 |
| ≥ 200             | 74.0                       | 84.3 | 90.6 | 94.1 | 95.5 | 96.9 | 96.9 | 96.9 | 96.9 | 97.2 | 97.2 | 97.2 | 97.4   | 97.5 |
| ≥ 100             | 74.0                       | 84.3 | 90.6 | 94.1 | 95.5 | 97.0 | 97.0 | 97.0 | 97.0 | 97.4 | 97.4 | 97.4 | 97.5   | 97.6 |
| ≥ 0               | 74.0                       | 84.3 | 90.6 | 94.1 | 95.5 | 97.0 | 97.0 | 97.0 | 97.0 | 97.4 | 97.4 | 97.4 | 97.5   | 97.6 |

TOTAL NUMBER OF OBSERVATIONS

904

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        |                            | 54.0 | 56.5 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| ≥ 20000           |                            | 61.3 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 18000           |                            | 61.3 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 16000           |                            | 61.3 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 14000           |                            | 61.3 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 12000           |                            | 62.1 | 65.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 10000           |                            | 64.5 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| ≥ 9000            |                            | 64.5 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| ≥ 8000            |                            | 66.6 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| ≥ 7000            |                            | 69.4 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 6000            |                            | 70.2 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥ 5000            |                            | 71.0 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 4500            |                            | 72.6 | 79.0 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 4000            |                            | 73.4 | 79.8 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 3500            |                            | 73.4 | 79.8 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 3000            |                            | 75.0 | 83.1 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥ 2500            |                            | 75.8 | 83.9 | 85.5 | 86.3 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 2000            |                            | 75.8 | 83.9 | 85.5 | 86.3 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 1800            |                            | 76.6 | 84.7 | 87.1 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 1500            |                            | 76.6 | 84.7 | 87.1 | 88.7 | 88.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 1200            |                            | 76.6 | 84.7 | 87.1 | 88.7 | 88.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 1000            |                            | 76.6 | 84.7 | 87.1 | 88.7 | 88.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 900             |                            | 77.4 | 85.5 | 88.7 | 90.3 | 90.3 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 800             |                            | 77.4 | 85.5 | 88.7 | 90.3 | 90.3 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 700             |                            | 77.4 | 85.5 | 88.7 | 90.3 | 90.3 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 600             |                            | 77.4 | 85.5 | 88.7 | 90.3 | 90.3 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 500             |                            | 77.4 | 85.5 | 88.7 | 90.3 | 90.3 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 400             |                            | 79.0 | 87.9 | 91.9 | 93.6 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 300             |                            | 79.0 | 87.9 | 91.9 | 93.6 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 200             |                            | 79.0 | 87.9 | 91.9 | 93.6 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 100             |                            | 79.0 | 87.9 | 91.9 | 93.6 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 0                 |                            | 79.0 | 87.9 | 91.9 | 93.6 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)04  
HOURS (LST)

4539

MMH

5703 CEILING VERSUS VISIBILITY JAN 68

MMH

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           |                            | 44.4 | 46.0 | 48.4 | 49.2 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| ≥ 18000           |                            | 52.4 | 54.8 | 57.3 | 58.1 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| ≥ 16000           |                            | 52.4 | 54.8 | 57.3 | 58.1 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| ≥ 14000           |                            | 52.4 | 54.8 | 57.3 | 58.1 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| ≥ 12000           |                            | 52.4 | 54.8 | 57.3 | 58.1 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| ≥ 10000           |                            | 53.2 | 55.7 | 58.1 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 9000            |                            | 55.7 | 58.9 | 61.3 | 62.9 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| ≥ 8000            |                            | 56.5 | 59.7 | 62.1 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| ≥ 7000            |                            | 59.7 | 63.7 | 67.7 | 69.4 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| ≥ 6000            |                            | 59.7 | 63.7 | 67.7 | 69.4 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| ≥ 5000            |                            | 59.7 | 63.7 | 67.7 | 69.4 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| ≥ 4500            |                            | 60.5 | 65.3 | 69.4 | 71.0 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| ≥ 4000            |                            | 62.1 | 66.9 | 71.0 | 72.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| ≥ 3500            |                            | 63.7 | 68.6 | 72.6 | 74.2 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥ 3000            |                            | 64.5 | 69.4 | 74.2 | 75.8 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 2500            |                            | 66.9 | 72.6 | 78.2 | 79.8 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 2000            |                            | 68.4 | 75.0 | 80.7 | 82.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 1800            |                            | 69.4 | 75.0 | 80.7 | 82.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 1500            |                            | 71.0 | 76.6 | 82.3 | 83.9 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 1200            |                            | 71.0 | 77.4 | 83.1 | 84.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 1000            |                            | 71.8 | 78.2 | 83.9 | 85.5 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 900             |                            | 71.8 | 78.2 | 83.9 | 85.5 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 800             |                            | 71.8 | 79.8 | 86.3 | 87.9 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 700             |                            | 71.8 | 79.8 | 86.3 | 87.9 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 600             |                            | 71.8 | 80.7 | 88.7 | 90.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 500             |                            | 71.8 | 80.7 | 88.7 | 91.1 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 400             |                            | 72.6 | 81.5 | 89.5 | 91.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 300             |                            | 72.6 | 81.5 | 89.5 | 91.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 200             |                            | 72.6 | 81.5 | 89.5 | 91.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 100             |                            | 72.6 | 81.5 | 89.5 | 91.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 0                 |                            | 72.6 | 81.5 | 89.5 | 91.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |        |       |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 1/16 | ≥ 1/8 | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |      |        |       |      |
| ≥ 20000           |                            | 35.5 | 37.9 | 41.1 | 41.9 | 42.7 | 42.7 | 42.7 | 42.7 | 43.6 | 43.6 | 43.6 | 43.6 | 44.4   | 45.2  | 45.2 |
| ≥ 18000           |                            | 38.7 | 44.4 | 48.4 | 50.0 | 50.8 | 50.8 | 51.6 | 51.6 | 52.4 | 52.4 | 52.4 | 52.4 | 53.2   | 54.0  | 54.6 |
| ≥ 16000           |                            | 38.7 | 44.4 | 48.4 | 50.0 | 50.8 | 50.8 | 51.6 | 51.6 | 52.4 | 52.4 | 52.4 | 52.4 | 53.2   | 54.0  | 54.8 |
| ≥ 14000           |                            | 38.7 | 44.4 | 48.4 | 50.0 | 50.8 | 50.8 | 51.6 | 51.6 | 52.4 | 52.4 | 52.4 | 52.4 | 53.2   | 54.0  | 54.8 |
| ≥ 12000           |                            | 39.5 | 45.2 | 49.2 | 50.8 | 51.6 | 51.6 | 52.4 | 52.4 | 53.2 | 53.2 | 53.2 | 53.2 | 54.0   | 54.8  | 55.7 |
| ≥ 10000           |                            | 41.9 | 48.4 | 52.4 | 54.0 | 54.8 | 54.8 | 55.7 | 55.7 | 56.5 | 56.5 | 56.5 | 56.5 | 57.3   | 58.1  | 58.9 |
| ≥ 9000            |                            | 41.9 | 48.4 | 52.4 | 54.0 | 54.8 | 54.8 | 55.7 | 55.7 | 56.5 | 56.5 | 56.5 | 56.5 | 57.3   | 58.1  | 58.9 |
| ≥ 8000            |                            | 46.8 | 54.0 | 58.9 | 60.5 | 61.3 | 61.3 | 62.1 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 63.7   | 64.5  | 65.3 |
| ≥ 7000            |                            | 48.4 | 55.7 | 61.3 | 62.9 | 63.7 | 63.7 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 66.1   | 66.9  | 67.7 |
| ≥ 6000            |                            | 48.4 | 55.7 | 61.3 | 62.9 | 63.7 | 63.7 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 66.1   | 66.9  | 67.7 |
| ≥ 5000            |                            | 49.2 | 56.5 | 62.1 | 63.7 | 64.5 | 64.5 | 65.3 | 65.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.9   | 67.7  | 68.6 |
| ≥ 4500            |                            | 49.2 | 56.5 | 62.1 | 63.7 | 64.5 | 64.5 | 65.3 | 65.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.9   | 67.7  | 68.6 |
| ≥ 4000            |                            | 50.8 | 58.1 | 63.7 | 65.3 | 66.1 | 66.1 | 66.9 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 68.6   | 69.4  | 70.2 |
| ≥ 3500            |                            | 53.2 | 61.3 | 66.9 | 68.6 | 69.4 | 69.4 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.8   | 72.6  | 73.4 |
| ≥ 3000            |                            | 54.0 | 62.1 | 67.7 | 70.2 | 71.0 | 71.0 | 71.8 | 71.8 | 72.6 | 72.6 | 72.6 | 72.6 | 73.4   | 74.2  | 75.0 |
| ≥ 2500            |                            | 54.0 | 62.9 | 68.6 | 71.0 | 71.8 | 71.8 | 72.6 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 74.2   | 75.0  | 75.8 |
| ≥ 2000            |                            | 55.7 | 64.5 | 71.8 | 74.2 | 75.0 | 75.0 | 75.8 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 77.4   | 78.2  | 79.0 |
| ≥ 1800            |                            | 55.7 | 64.5 | 71.8 | 74.2 | 75.0 | 75.0 | 75.8 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 77.4   | 78.2  | 79.0 |
| ≥ 1500            |                            | 55.7 | 64.5 | 71.8 | 74.2 | 75.0 | 75.0 | 75.8 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 77.4   | 78.2  | 79.0 |
| ≥ 1200            |                            | 56.5 | 65.3 | 72.6 | 75.0 | 75.8 | 75.8 | 76.6 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 78.2   | 79.0  | 80.7 |
| ≥ 1000            |                            | 56.5 | 66.9 | 74.2 | 76.6 | 77.4 | 77.4 | 78.2 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 80.7   | 81.5  | 82.3 |
| ≥ 900             |                            | 56.5 | 66.9 | 74.2 | 76.6 | 77.4 | 77.4 | 78.2 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 80.7   | 81.5  | 82.3 |
| ≥ 800             |                            | 58.1 | 68.6 | 77.4 | 79.8 | 81.5 | 81.5 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1 | 84.7   | 85.5  | 86.3 |
| ≥ 700             |                            | 58.1 | 68.6 | 77.4 | 79.8 | 81.5 | 81.5 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1 | 84.7   | 85.5  | 86.3 |
| ≥ 600             |                            | 58.9 | 69.4 | 78.2 | 80.7 | 82.3 | 82.3 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 85.5   | 87.1  | 87.9 |
| ≥ 500             |                            | 58.9 | 69.4 | 78.2 | 80.7 | 82.3 | 82.3 | 83.1 | 83.1 | 84.7 | 84.7 | 84.7 | 84.7 | 86.3   | 87.9  | 88.7 |
| ≥ 400             |                            | 58.9 | 69.4 | 78.2 | 80.7 | 82.3 | 82.3 | 83.1 | 83.1 | 84.7 | 84.7 | 84.7 | 84.7 | 86.3   | 87.9  | 88.7 |
| ≥ 300             |                            | 58.9 | 69.4 | 78.2 | 80.7 | 82.3 | 82.3 | 83.1 | 83.1 | 84.7 | 84.7 | 84.7 | 84.7 | 86.3   | 87.9  | 88.7 |
| ≥ 200             |                            | 58.9 | 69.4 | 78.2 | 80.7 | 82.3 | 82.3 | 83.1 | 83.1 | 84.7 | 84.7 | 84.7 | 84.7 | 86.3   | 87.9  | 88.7 |
| ≥ 100             |                            | 58.9 | 69.4 | 78.2 | 80.7 | 82.3 | 82.3 | 83.1 | 83.1 | 84.7 | 84.7 | 84.7 | 84.7 | 86.3   | 87.9  | 88.7 |
| ≥ 0               |                            | 58.9 | 69.4 | 78.2 | 80.7 | 82.3 | 82.3 | 83.1 | 83.1 | 84.7 | 84.7 | 84.7 | 84.7 | 86.3   | 87.9  | 88.7 |

TOTAL NUMBER OF OBSERVATIONS

124



## CEILING VERSUS VISIBILITY

13728  
STATIONCHARLESTON, SOUTH CAROLINA NWSE0  
STATION NAME

73-78

YEARS

MAR  
MONTH10  
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           |                            | 39.5 | 47.6 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2   | 53.2 |
| ≥ 18000           |                            | 44.4 | 52.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7   | 59.7 |
| ≥ 16000           |                            | 44.4 | 52.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7   | 59.7 |
| ≥ 14000           |                            | 44.4 | 52.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7   | 59.7 |
| ≥ 12000           |                            | 45.2 | 53.2 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 |
| ≥ 10000           |                            | 48.4 | 56.5 | 63.7 | 63.7 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5   | 64.5 |
| ≥ 9000            |                            | 48.4 | 57.3 | 64.5 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3   | 65.3 |
| ≥ 8000            |                            | 51.6 | 60.5 | 68.6 | 68.6 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 |
| ≥ 7000            |                            | 52.4 | 61.3 | 69.4 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2   | 70.2 |
| ≥ 6000            |                            | 52.4 | 61.3 | 69.4 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2   | 70.2 |
| ≥ 5000            |                            | 53.2 | 62.1 | 70.2 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 |
| ≥ 4500            |                            | 53.2 | 62.1 | 70.2 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 |
| ≥ 4000            |                            | 54.8 | 63.7 | 71.0 | 71.0 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 |
| ≥ 3500            |                            | 55.7 | 65.3 | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 |
| ≥ 3000            |                            | 56.5 | 66.9 | 76.6 | 76.6 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4   | 77.4 |
| ≥ 2500            |                            | 59.7 | 71.0 | 81.5 | 81.5 | 81.5 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 |
| ≥ 2000            |                            | 59.7 | 71.0 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9   | 83.9 |
| ≥ 1800            |                            | 59.7 | 71.0 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9   | 83.9 |
| ≥ 1500            |                            | 61.3 | 73.4 | 84.7 | 84.7 | 84.7 | 85.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 |
| ≥ 1200            |                            | 61.3 | 73.4 | 84.7 | 84.7 | 84.7 | 85.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 |
| ≥ 1000            |                            | 61.3 | 73.4 | 84.7 | 84.7 | 84.7 | 85.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 |
| ≥ 900             |                            | 61.3 | 74.2 | 85.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 |
| ≥ 800             |                            | 61.3 | 75.0 | 86.3 | 86.3 | 86.3 | 87.1 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 700             |                            | 61.3 | 75.0 | 86.3 | 86.3 | 86.3 | 87.1 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 600             |                            | 62.9 | 76.6 | 87.9 | 87.9 | 87.9 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| ≥ 500             |                            | 62.9 | 76.6 | 87.9 | 87.9 | 87.9 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| ≥ 400             |                            | 62.9 | 76.6 | 87.9 | 87.9 | 87.9 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| ≥ 300             |                            | 62.9 | 76.6 | 87.9 | 87.9 | 87.9 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| ≥ 200             |                            | 62.9 | 76.6 | 87.9 | 87.9 | 87.9 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| ≥ 100             |                            | 62.9 | 76.6 | 87.9 | 87.9 | 87.9 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| 0                 |                            | 62.9 | 76.6 | 87.9 | 87.9 | 87.9 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |       |       |       |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ 5/16 |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |       |       |       |        |
| ≥ 20000           |                            | 44.4 | 48.4 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0  | 50.0  | 50.0  | 50.0   |
| ≥ 18000           |                            | 55.7 | 60.5 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1  | 62.1  | 62.1  | 62.1   |
| ≥ 16000           |                            | 55.7 | 60.5 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1  | 62.1  | 62.1  | 62.1   |
| ≥ 14000           |                            | 55.7 | 60.5 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1  | 62.1  | 62.1  | 62.1   |
| ≥ 12000           |                            | 56.5 | 61.3 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9  | 62.9  | 62.9  | 62.9   |
| ≥ 10000           |                            | 56.5 | 61.3 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9  | 62.9  | 62.9  | 62.9   |
| ≥ 9000            |                            | 58.1 | 62.7 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3  | 65.3  | 65.3  | 65.3   |
| ≥ 8000            |                            | 58.9 | 64.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1  | 66.1  | 66.1  | 66.1   |
| ≥ 7000            |                            | 62.9 | 68.6 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2  | 70.2  | 70.2  | 70.2   |
| ≥ 6000            |                            | 64.5 | 70.2 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8  | 71.8  | 71.8  | 71.8   |
| ≥ 5000            |                            | 64.5 | 70.2 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8  | 71.8  | 71.8  | 71.8   |
| ≥ 4500            |                            | 65.3 | 71.0 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6  | 72.6  | 72.6   |
| ≥ 4000            |                            | 65.3 | 71.0 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 72.6  | 72.6  | 72.6   |
| ≥ 3500            |                            | 66.9 | 72.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2  | 74.2  | 74.2  | 74.2   |
| ≥ 3000            |                            | 68.6 | 75.0 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6  | 76.6  | 76.6  | 76.6   |
| ≥ 2500            |                            | 70.2 | 77.4 | 79.8 | 79.8 | 79.8 | 80.7 | 80.7 | 80.7 | 81.5  | 81.5  | 81.5  | 81.5   |
| ≥ 2000            |                            | 72.6 | 79.8 | 83.9 | 83.9 | 83.9 | 84.7 | 85.5 | 85.5 | 86.3  | 86.3  | 86.3  | 86.3   |
| ≥ 1800            |                            | 75.8 | 83.1 | 87.9 | 87.9 | 87.9 | 88.7 | 89.5 | 89.5 | 90.3  | 90.3  | 90.3  | 90.3   |
| ≥ 1500            |                            | 75.8 | 83.1 | 87.9 | 87.9 | 87.9 | 88.7 | 89.5 | 89.5 | 90.3  | 90.3  | 90.3  | 90.3   |
| ≥ 1200            |                            | 76.6 | 85.5 | 91.9 | 91.9 | 91.9 | 92.7 | 93.6 | 93.6 | 94.4  | 94.4  | 94.4  | 94.4   |
| ≥ 1000            |                            | 76.6 | 85.5 | 91.9 | 91.9 | 91.9 | 92.7 | 93.6 | 93.6 | 94.4  | 94.4  | 94.4  | 94.4   |
| ≥ 900             |                            | 76.6 | 85.5 | 91.9 | 91.9 | 91.9 | 92.7 | 93.6 | 93.6 | 94.4  | 94.4  | 94.4  | 94.4   |
| ≥ 800             |                            | 76.6 | 85.5 | 91.9 | 91.9 | 91.9 | 92.7 | 93.6 | 93.6 | 94.4  | 94.4  | 94.4  | 94.4   |
| ≥ 700             |                            | 76.6 | 85.5 | 94.4 | 94.4 | 94.4 | 95.2 | 96.0 | 96.0 | 96.8  | 96.8  | 96.8  | 96.8   |
| ≥ 600             |                            | 76.6 | 85.5 | 94.4 | 94.4 | 94.4 | 95.2 | 96.0 | 96.0 | 96.8  | 96.8  | 96.8  | 96.8   |
| ≥ 500             |                            | 77.4 | 87.1 | 96.8 | 96.8 | 96.8 | 97.6 | 98.4 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2   |
| ≥ 400             |                            | 77.4 | 87.1 | 96.8 | 96.8 | 96.8 | 97.6 | 98.4 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2   |
| ≥ 300             |                            | 77.4 | 87.1 | 96.8 | 96.8 | 96.8 | 97.6 | 98.4 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0  |
| ≥ 200             |                            | 77.4 | 87.1 | 96.8 | 96.8 | 96.8 | 97.6 | 98.4 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0  |
| ≥ 100             |                            | 77.4 | 87.1 | 96.8 | 96.8 | 96.8 | 97.6 | 98.4 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0  |
| 0                 |                            | 77.4 | 87.1 | 96.8 | 96.8 | 96.8 | 97.6 | 98.4 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            | 47.6 | 50.8 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| ≥ 20000           |                            | 61.3 | 65.3 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| 18000             |                            | 61.3 | 65.3 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| 16000             |                            | 61.3 | 65.3 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| 14000             |                            | 61.3 | 65.3 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| 12000             |                            | 61.3 | 66.1 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| 10000             |                            | 62.1 | 66.9 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 9000              |                            | 62.1 | 66.9 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 8000              |                            | 64.3 | 70.2 | 71.8 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 7000              |                            | 66.9 | 72.6 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 6000              |                            | 66.9 | 72.6 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 5000              |                            | 66.9 | 72.6 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 4500              |                            | 66.9 | 72.6 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 4000              |                            | 68.6 | 74.2 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 3500              |                            | 71.0 | 76.6 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| 3000              |                            | 72.6 | 79.0 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 2500              |                            | 75.8 | 83.1 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 2000              |                            | 79.8 | 87.1 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 1800              |                            | 79.8 | 87.1 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 1500              |                            | 80.7 | 87.9 | 90.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 1200              |                            | 81.5 | 88.7 | 91.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 1000              |                            | 81.5 | 89.5 | 91.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 900               |                            | 81.5 | 89.5 | 91.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 800               |                            | 81.5 | 89.5 | 91.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 700               |                            | 81.5 | 90.3 | 92.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 600               |                            | 81.5 | 90.3 | 92.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 500               |                            | 81.5 | 90.3 | 92.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 400               |                            | 81.5 | 90.3 | 92.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 300               |                            | 81.5 | 90.3 | 92.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 200               |                            | 81.5 | 90.3 | 92.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 100               |                            | 81.5 | 90.3 | 92.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 0                 |                            | 81.5 | 90.3 | 92.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |

TOTAL NUMBER OF OBSERVATIONS

124

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5703 CEILING VERSUS VISIBILITY JAN 68

mmmm

1234-18766

4535



STATION  
13758

CHARLESTON, SOUTH C

73-76

STATION NAME

YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

19  
HOURS (L S T)

VISIBILITY (STATUTE MILES)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

124



## CEILING VERSUS VISIBILITY

13759  
STATION

CHARLESTON, SOUTH CAROLINA NWSO

73-76

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           | 55.7                       | 56.5 | 56.5 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| ≥ 18000           | 61.3                       | 62.9 | 62.9 | 63.7 | 63.7 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| ≥ 16000           | 61.3                       | 62.9 | 62.9 | 63.7 | 63.7 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| ≥ 14000           | 61.3                       | 62.9 | 62.9 | 63.7 | 63.7 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| ≥ 12000           | 61.3                       | 62.9 | 62.9 | 63.7 | 63.7 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| ≥ 10000           | 62.1                       | 63.7 | 64.5 | 65.3 | 65.3 | 65.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 9000            | 62.9                       | 64.5 | 65.3 | 66.1 | 66.1 | 66.1 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| ≥ 8000            | 68.6                       | 70.2 | 71.8 | 72.6 | 72.6 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| ≥ 7000            | 71.0                       | 72.6 | 74.2 | 75.0 | 75.0 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 6000            | 71.0                       | 72.6 | 74.2 | 75.0 | 75.0 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 5000            | 72.6                       | 74.2 | 75.8 | 76.6 | 76.6 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 4500            | 72.6                       | 74.2 | 75.8 | 76.6 | 76.6 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 4000            | 74.2                       | 75.8 | 77.4 | 78.2 | 78.2 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 3500            | 74.2                       | 75.8 | 77.4 | 78.2 | 78.2 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 3000            | 75.0                       | 76.6 | 78.2 | 79.0 | 79.0 | 79.0 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 2500            | 77.4                       | 79.0 | 80.7 | 81.5 | 81.5 | 81.5 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 2000            | 78.2                       | 81.5 | 82.3 | 83.1 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥ 1800            | 78.2                       | 81.5 | 83.1 | 83.9 | 83.9 | 83.9 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 1500            | 79.0                       | 82.3 | 83.9 | 84.7 | 84.7 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥ 1200            | 80.7                       | 83.9 | 85.5 | 86.3 | 86.3 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 1000            | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 900             | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 800             | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 700             | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 600             | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 500             | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 400             | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 300             | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 200             | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 100             | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 0                 | 82.3                       | 85.5 | 87.1 | 87.9 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |

TOTAL NUMBER OF OBSERVATIONS

124

AD-A043 254

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) CHARLEST--ETC(U)  
JUL 77

F/G 4/2

UNCLASSIFIED

NL

3 OF 4  
AD  
A043254

A large grid of 100 small, dark, rectangular frames arranged in 10 rows and 10 columns. Each frame appears to be a placeholder for a photograph or a small document page, but they are all uniformly dark and empty.

## CEILING VERSUS VISIBILITY

19738  
STATION

CHARLESTON, SOUTH CAROLINA NASD

73-76

YEARS

MAR  
MONTHALL  
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 45.6                       | 49.0 | 51.2 | 51.5 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.9 | 51.9 | 52.0 | 52.0   | 52.1 |
| ≥ 18000           | 54.1                       | 58.6 | 61.2 | 61.6 | 61.8 | 62.0 | 62.0 | 62.1 | 62.1 | 62.2 | 62.2 | 62.3 | 62.3   | 62.4 |
| ≥ 16000           | 54.1                       | 58.6 | 61.2 | 61.6 | 61.8 | 62.0 | 62.0 | 62.1 | 62.1 | 62.2 | 62.2 | 62.3 | 62.3   | 62.4 |
| ≥ 14000           | 54.2                       | 58.7 | 61.3 | 61.7 | 61.9 | 62.1 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.4 | 62.4   | 62.5 |
| ≥ 12000           | 54.6                       | 59.2 | 61.8 | 62.3 | 62.5 | 62.7 | 62.8 | 62.8 | 62.9 | 62.9 | 62.9 | 63.0 | 63.0   | 63.1 |
| ≥ 10000           | 56.6                       | 61.6 | 64.3 | 64.9 | 65.1 | 65.4 | 65.5 | 65.5 | 65.6 | 65.6 | 65.7 | 65.7 | 65.8   | 66.0 |
| ≥ 9000            | 57.0                       | 62.1 | 64.8 | 65.4 | 65.6 | 65.9 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 | 66.2 | 66.3   | 66.5 |
| ≥ 8000            | 61.1                       | 66.7 | 70.0 | 70.6 | 70.9 | 71.2 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.5 | 71.5   | 71.6 |
| ≥ 7000            | 62.4                       | 68.0 | 71.4 | 72.0 | 72.3 | 72.6 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9   | 73.0 |
| ≥ 6000            | 62.4                       | 68.0 | 71.4 | 72.0 | 72.3 | 72.6 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9   | 73.0 |
| ≥ 5000            | 63.1                       | 68.9 | 72.2 | 72.8 | 73.1 | 73.4 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.7 | 73.7   | 73.8 |
| ≥ 4500            | 63.3                       | 69.1 | 72.4 | 73.0 | 73.3 | 73.6 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.9 | 73.9   | 74.0 |
| ≥ 4000            | 64.9                       | 70.8 | 74.1 | 74.7 | 75.0 | 75.3 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6   | 75.9 |
| ≥ 3500            | 66.3                       | 72.5 | 76.0 | 76.6 | 77.0 | 77.3 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.6 | 77.6   | 77.7 |
| ≥ 3000            | 67.1                       | 73.6 | 77.7 | 78.4 | 78.8 | 79.2 | 79.3 | 79.3 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6   | 79.8 |
| ≥ 2500            | 69.2                       | 76.7 | 81.5 | 82.3 | 82.7 | 83.1 | 83.3 | 83.3 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7   | 84.1 |
| ≥ 2000            | 70.9                       | 78.6 | 84.1 | 85.0 | 85.4 | 85.9 | 86.1 | 86.1 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5   | 86.9 |
| ≥ 1800            | 70.9                       | 78.6 | 84.1 | 85.0 | 85.4 | 85.9 | 86.1 | 86.1 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5   | 86.9 |
| ≥ 1500            | 71.7                       | 79.9 | 85.7 | 86.8 | 87.2 | 87.7 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3   | 88.7 |
| ≥ 1200            | 72.1                       | 80.5 | 86.4 | 87.7 | 88.1 | 88.8 | 89.0 | 89.0 | 89.3 | 89.3 | 89.3 | 89.5 | 89.5   | 89.9 |
| ≥ 1000            | 72.4                       | 81.2 | 87.2 | 88.6 | 89.0 | 89.7 | 89.9 | 89.9 | 90.2 | 90.2 | 90.2 | 90.4 | 90.4   | 90.8 |
| ≥ 900             | 72.4                       | 81.3 | 87.3 | 88.9 | 89.3 | 90.0 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.7 | 90.7   | 91.1 |
| ≥ 800             | 72.7                       | 82.1 | 88.9 | 90.4 | 90.9 | 91.7 | 91.9 | 91.9 | 92.2 | 92.2 | 92.2 | 92.4 | 92.4   | 92.8 |
| ≥ 700             | 72.7                       | 82.2 | 89.0 | 90.7 | 91.3 | 92.1 | 92.3 | 92.3 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8   | 93.3 |
| ≥ 600             | 73.1                       | 82.9 | 90.1 | 91.9 | 92.5 | 93.5 | 93.7 | 93.7 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3   | 94.8 |
| ≥ 500             | 73.1                       | 83.1 | 90.6 | 92.5 | 93.3 | 94.2 | 94.4 | 94.4 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3   | 95.8 |
| ≥ 400             | 73.4                       | 83.5 | 91.1 | 93.2 | 93.9 | 95.1 | 95.3 | 95.3 | 96.1 | 96.1 | 96.3 | 96.4 | 96.6   | 97.1 |
| ≥ 300             | 73.4                       | 83.5 | 91.1 | 93.2 | 94.0 | 95.3 | 95.6 | 95.6 | 96.7 | 96.7 | 96.9 | 97.1 | 97.3   | 98.0 |
| ≥ 200             | 73.4                       | 83.5 | 91.1 | 93.2 | 94.0 | 95.3 | 95.7 | 95.7 | 96.8 | 96.8 | 97.0 | 97.2 | 97.5   | 98.7 |
| ≥ 100             | 73.4                       | 83.5 | 91.1 | 93.2 | 94.0 | 95.3 | 95.7 | 95.7 | 96.8 | 96.8 | 97.0 | 97.2 | 97.6   | 98.1 |
| 0                 | 73.4                       | 83.5 | 91.1 | 93.2 | 94.0 | 95.3 | 95.7 | 95.7 | 96.8 | 96.8 | 97.0 | 97.2 | 97.6   | 98.2 |

TOTAL NUMBER OF OBSERVATIONS

992



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |       |       |       |       |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4   | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ ¼   |
| NO CEILING        |                            | 65.8 | 66.7 | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  |
| ≥ 20000           |                            | 77.5 | 78.3 | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  |
| ≥ 18000           |                            | 77.5 | 78.3 | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  |
| ≥ 16000           |                            | 77.5 | 78.3 | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  |
| ≥ 14000           |                            | 77.5 | 78.3 | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  |
| ≥ 12000           |                            | 78.3 | 79.2 | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| ≥ 10000           |                            | 80.8 | 81.7 | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  |
| ≥ 9000            |                            | 83.3 | 84.2 | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| ≥ 8000            |                            | 89.2 | 90.8 | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  | 90.8  |
| ≥ 7000            |                            | 90.0 | 91.7 | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  |
| ≥ 6000            |                            | 90.0 | 91.7 | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  |
| ≥ 5000            |                            | 90.0 | 91.7 | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  |
| ≥ 4500            |                            | 90.0 | 91.7 | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  |
| ≥ 4000            |                            | 90.0 | 91.7 | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  |
| ≥ 3500            |                            | 90.8 | 92.5 | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  |
| ≥ 3000            |                            | 91.7 | 94.2 | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  |
| ≥ 2500            |                            | 94.2 | 96.7 | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  |
| ≥ 2000            |                            | 94.2 | 96.7 | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  |
| ≥ 1800            |                            | 94.2 | 96.7 | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  |
| ≥ 1500            |                            | 95.0 | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| ≥ 1200            |                            | 95.0 | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| ≥ 1000            |                            | 95.0 | 98.3 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 900             |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800             |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700             |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600             |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500             |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400             |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300             |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200             |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100             |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0               |                            | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

120



## CEILING VERSUS VISIBILITY

13738  
STATION

CHARLESTON, SOUTH CAROLINA NWSE0 73-76

STATION NAME

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)04  
HOURS (LST)

| CEILING<br>(FEET)     | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                       | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 0  |
| NO CEILING<br>≥ 20000 |                            | 65.0 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 67.5 | 67.5 | 67.5 | 67.5 |
| ≥ 18000               |                            | 74.2 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.7 | 77.5 | 77.5 | 77.5 |
| ≥ 16000               |                            | 74.2 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.7 | 77.5 | 77.5 | 77.5 |
| ≥ 14000               |                            | 74.2 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.7 | 77.5 | 77.5 | 77.5 |
| ≥ 12000               |                            | 74.2 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.7 | 77.5 | 77.5 | 77.5 |
| ≥ 10000               |                            | 75.8 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 78.3 | 79.2 | 79.2 | 79.2 |
| ≥ 9000                |                            | 76.7 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 79.2 | 80.0 | 80.0 | 80.0 |
| ≥ 8000                |                            | 81.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 84.2 | 85.0 | 85.0 | 85.0 |
| ≥ 7000                |                            | 82.5 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 |
| ≥ 6000                |                            | 82.5 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 |
| ≥ 5000                |                            | 82.5 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 |
| ≥ 4500                |                            | 82.5 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 |
| ≥ 4000                |                            | 82.5 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 |
| ≥ 3500                |                            | 83.3 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.8 | 86.7 | 86.7 | 86.7 |
| ≥ 3000                |                            | 86.7 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 89.2 | 90.0 | 90.0 | 90.0 |
| ≥ 2500                |                            | 87.5 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 90.0 | 90.8 | 90.8 | 90.8 |
| ≥ 2000                |                            | 88.3 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 |
| ≥ 1800                |                            | 88.3 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 |
| ≥ 1500                |                            | 90.8 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 93.3 | 94.2 | 94.2 | 94.2 |
| ≥ 1200                |                            | 90.8 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 93.3 | 94.2 | 94.2 | 94.2 |
| ≥ 1000                |                            | 92.5 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 95.8 | 96.7 | 96.7 | 96.7 |
| ≥ 900                 |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |
| ≥ 800                 |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |
| ≥ 700                 |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |
| ≥ 600                 |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |
| ≥ 500                 |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |
| ≥ 400                 |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |
| ≥ 300                 |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |
| ≥ 200                 |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |
| ≥ 100                 |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |
| 0                     |                            | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 96.7 | 97.5 | 97.5 | 97.5 |

TOTAL NUMBER OF OBSERVATIONS

120

# CEILING VERSUS VISIBILITY

13758 CHARLESTON, SOUTH CAROLINA NMSE 73m76

APR  
MONTH

YEARS

07  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ½  |
| NO CEILING        | 49.2                       | 51.7 | 55.3 | 59.2 | 59.2 | 59.2 | 59.2 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 20000           | 55.8                       | 60.8 | 70.0 | 70.0 | 70.0 | 71.7 | 71.7 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 18000           | 55.8                       | 60.8 | 70.0 | 70.0 | 70.0 | 71.7 | 71.7 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 16000           | 55.8                       | 60.8 | 70.0 | 70.0 | 70.0 | 71.7 | 71.7 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 14000           | 56.7                       | 62.5 | 71.7 | 72.5 | 73.3 | 73.3 | 73.3 | 75.0 | 75.0 | 75.0 | 75.0 |
| ≥ 12000           | 56.7                       | 62.5 | 71.7 | 72.5 | 73.3 | 73.3 | 73.3 | 75.0 | 75.0 | 75.0 | 75.0 |
| ≥ 10000           | 59.2                       | 65.0 | 74.2 | 75.0 | 75.0 | 75.8 | 75.8 | 77.5 | 77.5 | 77.5 | 77.5 |
| ≥ 9000            | 59.2                       | 65.0 | 74.2 | 75.0 | 75.0 | 75.8 | 75.8 | 77.5 | 77.5 | 77.5 | 77.5 |
| 8000              | 60.8                       | 70.0 | 79.2 | 80.0 | 80.8 | 80.8 | 80.8 | 82.5 | 82.5 | 82.5 | 82.5 |
| 7000              | 61.7                       | 70.8 | 80.0 | 80.8 | 81.7 | 81.7 | 81.7 | 83.3 | 83.3 | 83.3 | 83.3 |
| 6000              | 61.7                       | 70.8 | 80.0 | 80.8 | 81.7 | 81.7 | 81.7 | 83.3 | 83.3 | 83.3 | 83.3 |
| 5000              | 61.7                       | 70.8 | 80.0 | 80.8 | 81.7 | 81.7 | 81.7 | 83.3 | 83.3 | 83.3 | 83.3 |
| 4500              | 61.7                       | 70.8 | 80.0 | 80.8 | 81.7 | 81.7 | 81.7 | 83.3 | 83.3 | 83.3 | 83.3 |
| 4000              | 62.5                       | 71.7 | 80.8 | 81.7 | 82.5 | 82.5 | 82.5 | 84.2 | 84.2 | 84.2 | 84.2 |
| 3500              | 65.0                       | 75.0 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 | 87.5 | 87.5 | 87.5 | 87.5 |
| 3000              | 66.7                       | 76.7 | 85.8 | 86.7 | 87.5 | 87.5 | 87.5 | 89.2 | 89.2 | 89.2 | 89.2 |
| 2500              | 67.5                       | 77.5 | 86.7 | 87.5 | 88.3 | 88.3 | 88.3 | 90.0 | 90.0 | 90.0 | 90.0 |
| 2000              | 67.5                       | 78.3 | 87.5 | 88.3 | 89.2 | 89.2 | 89.2 | 90.8 | 90.8 | 90.8 | 90.8 |
| 1800              | 67.5                       | 78.3 | 87.5 | 88.3 | 89.2 | 89.2 | 89.2 | 90.8 | 90.8 | 90.8 | 90.8 |
| 1500              | 68.3                       | 81.7 | 91.7 | 92.5 | 93.3 | 93.3 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 |
| 1200              | 68.3                       | 81.7 | 91.7 | 92.5 | 93.3 | 93.3 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 |
| 1000              | 68.3                       | 81.7 | 91.7 | 92.5 | 93.3 | 93.3 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 |
| 900               | 69.2                       | 82.5 | 92.5 | 93.3 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 95.8 |
| 800               | 69.2                       | 82.5 | 93.3 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 |
| 700               | 69.2                       | 82.5 | 93.3 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 |
| 600               | 69.2                       | 82.5 | 93.3 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 |
| 500               | 69.2                       | 82.5 | 93.3 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 |
| 400               | 69.2                       | 82.5 | 93.3 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 |
| 300               | 69.2                       | 82.5 | 93.3 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 |
| 200               | 69.2                       | 82.5 | 93.3 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 |
| 100               | 69.2                       | 82.5 | 93.3 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 |
| 0                 | 69.2                       | 82.5 | 93.3 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

4515

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

MMMM

MM

4529

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

APR  
MONTH10  
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |       |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½   | ≥ 0   |
| NO. CEILING       |                            |      |      |      |      |      |      |      |      |      |      |       |       |
| ≥ 20000           |                            | 60.8 | 65.8 | 66.7 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5  | 67.5  |
| ≥ 18000           |                            | 66.7 | 73.3 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0  | 75.0  |
| ≥ 16000           |                            | 66.7 | 73.3 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0  | 75.0  |
| ≥ 14000           |                            | 66.7 | 73.3 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0  | 75.0  |
| ≥ 12000           |                            | 67.5 | 74.2 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.7  | 76.7  |
| ≥ 10000           |                            | 67.5 | 74.2 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.7  | 76.7  |
| ≥ 9000            |                            | 69.2 | 75.8 | 76.7 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 78.3  | 78.3  |
| ≥ 8000            |                            | 69.2 | 75.8 | 76.7 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 78.3  | 78.3  |
| ≥ 7000            |                            | 70.0 | 77.5 | 78.3 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 81.7  | 81.7  |
| ≥ 6000            |                            | 70.0 | 77.5 | 78.3 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 81.7  | 81.7  |
| ≥ 5000            |                            | 70.0 | 78.3 | 79.2 | 80.8 | 80.8 | 80.8 | 81.7 | 81.7 | 81.7 | 81.7 | 82.5  | 82.5  |
| ≥ 4500            |                            | 70.0 | 78.3 | 79.2 | 80.8 | 80.8 | 80.8 | 81.7 | 81.7 | 81.7 | 81.7 | 82.5  | 82.5  |
| ≥ 4000            |                            | 71.7 | 79.2 | 80.0 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 82.5  | 82.5  |
| ≥ 3500            |                            | 73.3 | 80.8 | 81.7 | 83.3 | 83.3 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 85.0  | 85.0  |
| ≥ 3000            |                            | 74.2 | 81.7 | 82.5 | 84.2 | 84.2 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.8  | 85.8  |
| ≥ 2500            |                            | 75.0 | 82.5 | 83.3 | 85.0 | 85.0 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 87.5  | 87.5  |
| ≥ 2000            |                            | 78.3 | 85.8 | 86.7 | 88.3 | 89.2 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.8  | 90.8  |
| ≥ 1800            |                            | 79.2 | 86.7 | 87.5 | 89.2 | 90.0 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.7  | 91.7  |
| ≥ 1500            |                            | 81.7 | 90.0 | 92.5 | 94.2 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 96.7  | 96.7  |
| ≥ 1200            |                            | 81.7 | 90.8 | 93.3 | 95.0 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.5  | 97.5  |
| ≥ 1000            |                            | 81.7 | 90.8 | 94.2 | 95.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 98.3  | 98.3  |
| ≥ 900             |                            | 81.7 | 90.8 | 94.2 | 95.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 98.3  | 98.3  |
| ≥ 800             |                            | 82.5 | 91.7 | 95.0 | 96.7 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 99.2  | 99.2  |
| ≥ 700             |                            | 82.5 | 91.7 | 95.0 | 96.7 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 99.2  | 99.2  |
| ≥ 600             |                            | 82.5 | 91.7 | 95.0 | 96.7 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 99.2  | 99.2  |
| ≥ 500             |                            | 82.5 | 91.7 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| ≥ 400             |                            | 82.5 | 91.7 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| ≥ 300             |                            | 82.5 | 91.7 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| ≥ 200             |                            | 82.5 | 91.7 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| ≥ 100             |                            | 82.5 | 91.7 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| 0                 |                            | 82.5 | 91.7 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

HAP



## CEILING VERSUS VISIBILITY

13750  
STATION

CHARLESTON, SOUTH CAROLINA NWS

73-76

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |       |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   |
| NO CEILING        |                            | 59.2 | 60.0 | 60.0 | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  | 60.0  |
| ≥ 20000           |                            | 71.7 | 72.5 | 72.5 | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  |
| 18000             |                            | 71.7 | 72.5 | 72.5 | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  |
| 16000             |                            | 71.7 | 72.5 | 72.5 | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  |
| 14000             |                            | 72.5 | 73.3 | 73.3 | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  |
| 12000             |                            | 73.3 | 74.2 | 74.2 | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  |
| 10000             |                            | 77.5 | 79.2 | 79.2 | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| 9000              |                            | 77.5 | 79.2 | 79.2 | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| 8000              |                            | 80.0 | 81.7 | 81.7 | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  |
| 7000              |                            | 80.0 | 81.7 | 81.7 | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  |
| 6000              |                            | 80.0 | 81.7 | 81.7 | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  |
| 5000              |                            | 80.0 | 81.7 | 81.7 | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  | 83.3  |
| 4500              |                            | 80.0 | 81.7 | 82.5 | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| 4000              |                            | 80.0 | 81.7 | 82.5 | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| 3500              |                            | 82.5 | 85.0 | 85.0 | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  |
| 3000              |                            | 83.3 | 85.8 | 86.7 | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  |
| 2500              |                            | 86.7 | 90.0 | 91.7 | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  |
| 2000              |                            | 88.3 | 91.7 | 93.3 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| 1800              |                            | 89.2 | 91.7 | 93.3 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| 1500              |                            | 89.2 | 92.5 | 95.0 | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  |
| 1200              |                            | 90.0 | 93.3 | 95.8 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| 1000              |                            | 90.8 | 95.0 | 97.5 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 900               |                            | 90.8 | 95.0 | 97.5 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 800               |                            | 90.8 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 700               |                            | 90.8 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 600               |                            | 90.8 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500               |                            | 90.8 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400               |                            | 90.8 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300               |                            | 90.8 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200               |                            | 90.8 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100               |                            | 90.8 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0                 |                            | 90.8 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

4527

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NUSED

73-76

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            | 62.5 | 64.2 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0   | 65.0 |
| ≥ 20000           |                            | 72.3 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 |
| ≥ 18000           |                            | 73.3 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 |
| ≥ 16000           |                            | 73.3 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 |
| ≥ 14000           |                            | 74.2 | 75.8 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7   | 76.7 |
| ≥ 12000           |                            | 74.2 | 75.8 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7   | 76.7 |
| ≥ 10000           |                            | 76.7 | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 |
| ≥ 9000            |                            | 76.7 | 80.0 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8   | 80.8 |
| ≥ 8000            |                            | 80.0 | 83.3 | 84.2 | 84.2 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0   | 85.0 |
| ≥ 7000            |                            | 81.7 | 85.0 | 85.8 | 85.8 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   | 86.7 |
| ≥ 6000            |                            | 81.7 | 85.0 | 85.8 | 85.8 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   | 86.7 |
| ≥ 5000            |                            | 81.7 | 85.0 | 85.8 | 85.8 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   | 86.7 |
| ≥ 4500            |                            | 82.5 | 85.8 | 86.7 | 86.7 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5   | 87.5 |
| ≥ 4000            |                            | 83.3 | 86.7 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3   | 88.3 |
| ≥ 3500            |                            | 84.2 | 87.5 | 88.3 | 88.3 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2   | 89.2 |
| ≥ 3000            |                            | 86.7 | 90.0 | 90.8 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| ≥ 2500            |                            | 91.7 | 95.0 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 |
| ≥ 2000            |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 1800            |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 1500            |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 1200            |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 1000            |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 900             |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 800             |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 700             |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 600             |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 500             |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 400             |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 300             |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 200             |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| ≥ 100             |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |
| 0                 |                            | 93.3 | 96.7 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

HHH

HHH

## CEILING VERSUS VISIBILITY

19758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)19  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           |                            | 62.5 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| 18000             |                            | 75.8 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 16000             | AI                         | 75.8 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 14000             | AI                         | 75.8 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 12000             | AI                         | 76.7 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 10000             | AI                         | 76.7 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 9000              | AI                         | 80.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 8000              | AI                         | 80.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 7000              | AI                         | 83.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| 6000              | AI                         | 84.2 | 88.3 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 5000              | AI                         | 85.0 | 90.0 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| 4500              | AI                         | 85.0 | 90.0 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| 4000              | AI                         | 85.8 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 3500              | AI                         | 85.8 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 3000              | AI                         | 85.8 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 2500              | AI                         | 87.5 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 2000              | AI                         | 87.5 | 93.3 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 1800              | AI                         | 87.5 | 93.3 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 1500              | AI                         | 90.0 | 95.8 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 1200              | AI                         | 90.0 | 95.8 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 1000              | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 900               | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 800               | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 700               | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 600               | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 500               | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 400               | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 300               | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 200               | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100               | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0                 | AI                         | 90.0 | 95.8 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

4525

HHH

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

1234-18766

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE0

73-76

YEARS

APR  
MONTHPERCENTAGE  
(FROM HOURS OF OCCURRENCE  
OBSERVATIONS)22  
HOURS (LST.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            | 72.5 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 20000           |                            |      | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 18000             |                            | 79.2 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 16000             |                            | 79.2 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 14000             |                            | 79.2 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 12000             |                            | 80.0 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 10000             |                            | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 9000              |                            | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 8000              |                            | 85.8 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| 7000              |                            | 87.5 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 6000              |                            | 87.5 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 5000              |                            | 87.5 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 4500              |                            | 87.5 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 4000              |                            | 88.3 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3500              |                            | 88.3 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 3000              |                            | 89.2 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 2500              |                            | 90.8 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 2000              |                            | 92.5 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 1800              |                            | 92.5 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 1500              |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 1200              |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 1000              |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 900               |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 800               |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 700               |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 600               |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 500               |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 400               |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 300               |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 200               |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100               |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0                 |                            | 95.8 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766



# CEILING VERSUS VISIBILITY

APR  
MONTH  
ALL  
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CHARLESTON, SOUTH CAROLINA REVISED 72-76

12758  
STATION

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            | 62.2 | 64.3 | 65.3 | 65.5 | 65.5 | 65.5 | 65.7 | 65.7 | 65.8 | 65.8 |
| ≥ 20000           |                            | 71.8 | 74.5 | 75.8 | 76.0 | 76.2 | 76.2 | 76.4 | 76.4 | 76.5 | 76.6 |
| ≥ 18000           |                            | 71.8 | 74.5 | 75.8 | 76.0 | 76.2 | 76.2 | 76.4 | 76.4 | 76.5 | 76.6 |
| ≥ 16000           |                            | 71.8 | 74.5 | 75.8 | 76.0 | 76.2 | 76.2 | 76.4 | 76.4 | 76.5 | 76.6 |
| ≥ 14000           |                            | 72.3 | 75.1 | 76.5 | 76.7 | 76.8 | 76.8 | 77.0 | 77.0 | 77.1 | 77.2 |
| ≥ 12000           |                            | 72.6 | 75.4 | 76.8 | 77.0 | 77.1 | 77.1 | 77.3 | 77.3 | 77.4 | 77.5 |
| ≥ 10000           |                            | 75.2 | 78.1 | 79.5 | 79.7 | 79.8 | 79.8 | 80.0 | 80.0 | 80.1 | 80.2 |
| ≥ 9000            |                            | 75.6 | 78.8 | 80.1 | 80.3 | 80.4 | 80.4 | 80.6 | 80.6 | 80.7 | 80.8 |
| ≥ 8000            |                            | 78.9 | 82.7 | 84.1 | 84.6 | 84.8 | 84.9 | 85.1 | 85.1 | 85.2 | 85.3 |
| ≥ 7000            |                            | 79.8 | 83.7 | 85.1 | 85.6 | 85.8 | 85.9 | 86.2 | 86.2 | 86.3 | 86.4 |
| ≥ 6000            |                            | 79.8 | 83.7 | 85.1 | 85.6 | 85.8 | 85.9 | 86.2 | 86.2 | 86.3 | 86.4 |
| ≥ 5000            |                            | 79.9 | 83.9 | 85.3 | 85.8 | 86.0 | 86.2 | 86.4 | 86.4 | 86.5 | 86.6 |
| ≥ 4500            |                            | 80.0 | 84.0 | 85.5 | 86.0 | 86.3 | 86.4 | 86.6 | 86.6 | 86.7 | 86.8 |
| ≥ 4000            |                            | 80.5 | 84.5 | 86.0 | 86.6 | 86.8 | 86.9 | 87.1 | 87.1 | 87.2 | 87.3 |
| ≥ 3500            |                            | 81.7 | 85.8 | 87.4 | 87.9 | 88.1 | 88.2 | 88.4 | 88.4 | 88.5 | 88.7 |
| ≥ 3000            |                            | 83.0 | 87.4 | 89.0 | 89.5 | 89.7 | 89.8 | 90.0 | 90.0 | 90.1 | 90.2 |
| ≥ 2500            |                            | 85.1 | 89.7 | 91.5 | 92.0 | 92.3 | 92.5 | 92.7 | 92.7 | 92.8 | 92.9 |
| ≥ 2000            |                            | 86.3 | 90.9 | 92.7 | 93.4 | 93.8 | 94.0 | 94.2 | 94.2 | 94.3 | 94.4 |
| ≥ 1800            |                            | 86.4 | 91.0 | 92.8 | 93.5 | 93.9 | 94.1 | 94.3 | 94.3 | 94.4 | 94.5 |
| ≥ 1500            |                            | 88.0 | 93.1 | 95.3 | 96.2 | 96.5 | 96.7 | 96.9 | 96.9 | 97.0 | 97.1 |
| ≥ 1200            |                            | 88.1 | 93.3 | 95.5 | 96.4 | 96.7 | 96.9 | 97.1 | 97.1 | 97.2 | 97.3 |
| ≥ 1000            |                            | 88.5 | 93.9 | 96.3 | 97.3 | 97.6 | 97.8 | 98.0 | 98.0 | 98.1 | 98.2 |
| ≥ 900             |                            | 88.9 | 94.2 | 96.6 | 97.6 | 97.9 | 98.1 | 98.3 | 98.3 | 98.4 | 98.5 |
| ≥ 800             |                            | 89.0 | 94.3 | 96.9 | 97.9 | 98.2 | 98.4 | 98.7 | 98.7 | 98.8 | 98.9 |
| ≥ 700             |                            | 89.0 | 94.3 | 96.9 | 97.9 | 98.2 | 98.4 | 98.7 | 98.7 | 98.8 | 98.9 |
| ≥ 600             |                            | 89.0 | 94.3 | 96.9 | 97.9 | 98.3 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 |
| ≥ 500             |                            | 89.0 | 94.3 | 97.0 | 98.0 | 98.4 | 99.0 | 99.2 | 99.2 | 99.3 | 99.4 |
| ≥ 400             |                            | 89.0 | 94.3 | 97.0 | 98.0 | 98.4 | 99.0 | 99.2 | 99.2 | 99.3 | 99.4 |
| ≥ 300             |                            | 89.0 | 94.3 | 97.0 | 98.0 | 98.4 | 99.0 | 99.2 | 99.2 | 99.3 | 99.4 |
| ≥ 200             |                            | 89.0 | 94.3 | 97.0 | 98.0 | 98.4 | 99.0 | 99.2 | 99.2 | 99.3 | 99.4 |
| ≥ 100             |                            | 89.0 | 94.3 | 97.0 | 98.0 | 98.4 | 99.0 | 99.2 | 99.2 | 99.3 | 99.4 |
| 0                 |                            | 89.0 | 94.3 | 97.0 | 98.0 | 98.4 | 99.0 | 99.2 | 99.2 | 99.3 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 960

NAVWEASERVCOM

4523

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

4509

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

120



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

YEARS

MAY  
MONTH01  
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        | 54.0                       | 57.3 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 20000           | 62.9                       | 67.7 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 18000             | 62.9                       | 68.6 | 71.0 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 14000             | 62.9                       | 68.6 | 71.0 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 14000             | 64.5                       | 70.2 | 72.6 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 12000             | 64.5                       | 70.2 | 72.6 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 10000             | 67.7                       | 74.2 | 77.4 | 77.4 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 9000              | 67.7                       | 74.2 | 77.4 | 77.4 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 8000              | 75.8                       | 83.1 | 86.3 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 7000              | 76.6                       | 83.9 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 6000              | 76.6                       | 83.9 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 5000              | 76.6                       | 83.9 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 4500              | 76.6                       | 83.9 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 4000              | 76.6                       | 83.9 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 3500              | 76.6                       | 83.9 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 3000              | 76.2                       | 85.3 | 88.7 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 2500              | 79.6                       | 87.1 | 90.3 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 2000              | 81.5                       | 89.5 | 92.7 | 92.7 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 1800              | 81.5                       | 89.5 | 92.7 | 92.7 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 1500              | 83.9                       | 91.9 | 95.2 | 95.2 | 96.0 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 1200              | 83.9                       | 91.9 | 95.2 | 95.2 | 96.0 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 1000              | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 900               | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 800               | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 700               | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 600               | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 500               | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 400               | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 300               | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 200               | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 100               | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 0                 | 84.7                       | 92.7 | 96.0 | 96.0 | 96.8 | 96.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

## CEILING VERSUS VISIBILITY

1978  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)04  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      | HHH  |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            | 53.2 | 57.3 | 59.7 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3   | 61.3 | 61.3 |
| ≥ 20000           |                            | 58.9 | 64.5 | 66.9 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6   | 68.6 | 68.6 |
| 18000             |                            | 58.9 | 65.3 | 67.7 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 | 69.4 |
| 16000             |                            | 58.9 | 65.3 | 67.7 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 | 69.4 |
| 14000             |                            | 58.9 | 65.3 | 67.7 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 | 69.4 |
| 12000             |                            | 58.9 | 65.3 | 67.7 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 | 69.4 |
| 10000             |                            | 61.3 | 69.4 | 71.8 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4   | 73.4 | 73.4 |
| 9000              |                            | 62.1 | 71.0 | 73.4 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 | 75.0 |
| 8000              |                            | 67.7 | 76.6 | 79.3 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5   | 81.5 | 81.5 |
| 7000              |                            | 68.6 | 77.4 | 80.7 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   | 82.3 | 82.3 |
| 6000              |                            | 69.4 | 78.2 | 81.5 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 |
| 5000              |                            | 69.4 | 78.2 | 81.5 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 |
| 4500              |                            | 70.2 | 79.0 | 82.3 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9   | 83.9 | 83.9 |
| 4000              |                            | 71.0 | 79.8 | 83.1 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7   | 84.7 | 84.7 |
| 3500              |                            | 71.8 | 80.7 | 83.9 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5   | 85.5 | 85.5 |
| 3000              |                            | 73.4 | 82.3 | 85.5 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 | 87.1 |
| 2500              |                            | 73.4 | 82.3 | 86.3 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 | 87.9 |
| 2000              |                            | 73.4 | 83.9 | 87.9 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5   | 89.5 | 89.5 |
| 1800              |                            | 73.4 | 83.9 | 87.9 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5   | 89.5 | 89.5 |
| 1500              |                            | 75.0 | 87.1 | 91.1 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7   | 92.7 | 92.7 |
| 1200              |                            | 76.6 | 87.9 | 91.9 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6   | 93.6 | 93.6 |
| 1000              |                            | 77.4 | 88.7 | 92.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 | 94.4 |
| 900               |                            | 77.4 | 88.7 | 92.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 | 94.4 |
| 800               |                            | 78.2 | 89.5 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |
| 700               |                            | 78.2 | 89.5 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |
| 600               |                            | 78.2 | 89.5 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |
| 500               |                            | 78.2 | 89.5 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |
| 400               |                            | 78.2 | 90.3 | 95.2 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 300               |                            | 78.2 | 90.3 | 95.2 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 200               |                            | 78.2 | 90.3 | 95.2 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 100               |                            | 78.2 | 90.3 | 95.2 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 0                 |                            | 78.2 | 90.3 | 95.2 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

4521

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

72-76

YEARS

MAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 25.8                       | 40.3 | 44.4 | 48.4 | 49.2 | 50.8 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6   | 51.6 |
| 18000             | 35.5                       | 51.6 | 55.7 | 59.7 | 60.5 | 62.1 | 62.9 | 62.9 | 62.9 | 63.7 | 63.7 | 63.7 | 63.7   | 63.7 |
| 16000             | 35.5                       | 51.6 | 55.7 | 59.7 | 60.5 | 62.1 | 62.9 | 62.9 | 62.9 | 63.7 | 63.7 | 63.7 | 63.7   | 63.7 |
| 14000             | 36.3                       | 52.4 | 56.5 | 60.5 | 61.3 | 62.9 | 63.7 | 63.7 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5   | 64.5 |
| 12000             | 37.9                       | 54.0 | 58.1 | 62.1 | 62.9 | 64.5 | 65.3 | 65.3 | 65.3 | 66.1 | 66.1 | 66.1 | 66.1   | 66.1 |
| 10000             | 40.3                       | 56.5 | 60.5 | 64.5 | 65.3 | 67.7 | 68.6 | 68.6 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 |
| 9000              | 41.9                       | 58.1 | 62.1 | 66.1 | 66.9 | 69.4 | 70.2 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 |
| 8000              | 45.2                       | 64.5 | 69.4 | 74.2 | 75.0 | 77.4 | 78.2 | 78.2 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0   | 79.0 |
| 7000              | 46.8                       | 66.1 | 71.0 | 76.6 | 77.4 | 79.8 | 80.7 | 80.7 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5   | 81.5 |
| 6000              | 46.8                       | 66.1 | 71.0 | 76.6 | 77.4 | 79.8 | 80.7 | 80.7 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5   | 81.5 |
| 5000              | 47.6                       | 66.9 | 72.6 | 78.2 | 79.0 | 81.5 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 |
| 4500              | 48.4                       | 67.7 | 73.4 | 79.0 | 79.8 | 82.3 | 83.1 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9   | 83.9 |
| 4000              | 48.4                       | 67.7 | 73.4 | 79.0 | 79.8 | 82.3 | 83.1 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9   | 83.9 |
| 3500              | 50.0                       | 69.4 | 75.0 | 80.7 | 81.5 | 83.9 | 84.7 | 84.7 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5   | 85.5 |
| 3000              | 51.6                       | 71.0 | 76.6 | 83.1 | 83.9 | 86.3 | 87.1 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| 2500              | 51.6                       | 71.0 | 76.6 | 83.1 | 83.9 | 86.3 | 87.1 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| 2000              | 52.4                       | 71.8 | 78.2 | 85.5 | 86.3 | 87.1 | 89.5 | 90.3 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 |
| 1800              | 52.4                       | 71.8 | 78.2 | 85.5 | 86.3 | 87.1 | 89.5 | 90.3 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 |
| 1500              | 52.4                       | 73.4 | 79.8 | 88.7 | 89.5 | 91.9 | 92.7 | 92.7 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6   | 93.6 |
| 1200              | 53.2                       | 74.2 | 80.7 | 89.5 | 90.3 | 92.7 | 93.6 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 |
| 1000              | 53.2                       | 74.2 | 80.7 | 89.5 | 90.3 | 92.7 | 93.6 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 |
| 900               | 54.0                       | 75.0 | 81.5 | 90.3 | 91.1 | 93.6 | 94.4 | 94.4 | 94.4 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 |
| 800               | 54.8                       | 75.8 | 83.9 | 92.7 | 93.6 | 96.0 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 |
| 700               | 54.8                       | 75.8 | 83.9 | 92.7 | 93.6 | 96.0 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 |
| 600               | 54.8                       | 75.8 | 83.9 | 92.7 | 93.6 | 96.0 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 |
| 500               | 54.8                       | 75.8 | 83.9 | 92.7 | 93.6 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |
| 400               | 54.8                       | 75.8 | 83.9 | 92.7 | 93.6 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |
| 300               | 54.8                       | 75.8 | 83.9 | 92.7 | 93.6 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |
| 200               | 54.8                       | 75.8 | 83.9 | 92.7 | 93.6 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |
| 100               | 54.8                       | 75.8 | 83.9 | 92.7 | 93.6 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |
| 0                 | 54.8                       | 75.8 | 83.9 | 92.7 | 93.6 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |

TOTAL NUMBER OF OBSERVATIONS

144

NAVWEASERVCOM

RHP

RHP



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

MAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (LST)

4519

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |
| ≥ 20000           |                            | 32.3 | 43.0 | 45.2 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0   |
| AI 18000          |                            | 43.6 | 54.8 | 56.5 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3   |
| AI 16000          |                            | 44.4 | 55.7 | 57.3 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1   |
| AI 14000          |                            | 44.4 | 55.7 | 57.3 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1   |
| AI 12000          |                            | 45.2 | 56.5 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7   |
| AI 10000          |                            | 46.0 | 57.3 | 59.7 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   |
| AI 9000           |                            | 47.6 | 59.7 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9   |
| AI 8000           |                            | 50.0 | 62.1 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3   |
| AI 7000           |                            | 53.2 | 66.1 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2   |
| AI 6000           |                            | 56.5 | 69.4 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4   |
| AI 5000           |                            | 56.5 | 69.4 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4   |
| AI 4500           |                            | 57.3 | 70.2 | 73.4 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   |
| AI 4000           |                            | 58.1 | 71.0 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   |
| AI 3500           |                            | 58.9 | 73.4 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4   |
| AI 3000           |                            | 59.7 | 74.2 | 77.4 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2   |
| AI 2500           |                            | 61.3 | 75.8 | 79.0 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   |
| AI 2000           |                            | 66.1 | 80.7 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5   |
| AI 1800           |                            | 68.6 | 84.7 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   |
| AI 1500           |                            | 68.6 | 84.7 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   |
| AI 1200           |                            | 75.8 | 91.9 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 1000           |                            | 75.8 | 91.9 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 900            |                            | 75.8 | 91.9 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 800            |                            | 75.8 | 91.9 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 700            |                            | 76.6 | 92.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 600            |                            | 76.6 | 92.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 500            |                            | 76.6 | 92.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 400            |                            | 76.6 | 92.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 300            |                            | 76.6 | 92.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 200            |                            | 76.6 | 92.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 100            |                            | 76.6 | 92.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| AI 0              |                            | 76.6 | 92.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |

TOTAL NUMBER OF OBSERVATIONS

124



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE0

73-76

YEARS

MAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |       |       |       |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4   | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   |
| NO CEILING        |                            |      |      |       |       |       |       |       |       |       |       |       |
| ≥ 20000           | 33.9                       | 36.3 | 36.3 | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  |
| ≥ 18000           | 50.0                       | 54.0 | 54.0 | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  |
| ≥ 16000           | 50.8                       | 54.8 | 54.8 | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  |
| ≥ 14000           | 50.8                       | 54.8 | 54.8 | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  |
| ≥ 12000           | 50.8                       | 55.7 | 55.7 | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  |
| ≥ 10000           | 52.4                       | 57.3 | 57.3 | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  |
| ≥ 9000            | 53.2                       | 58.1 | 58.1 | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  |
| ≥ 8000            | 53.2                       | 58.1 | 58.1 | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  |
| ≥ 7000            | 55.7                       | 62.1 | 62.1 | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  |
| ≥ 6000            | 56.5                       | 62.9 | 62.9 | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| ≥ 5000            | 56.5                       | 62.9 | 62.9 | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| ≥ 4500            | 56.5                       | 62.9 | 62.9 | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| ≥ 4000            | 59.7                       | 66.1 | 66.1 | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  |
| ≥ 3500            | 66.9                       | 73.4 | 73.4 | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  |
| ≥ 3000            | 75.8                       | 83.9 | 83.9 | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  |
| ≥ 2500            | 78.2                       | 86.3 | 87.1 | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  |
| ≥ 2000            | 79.0                       | 87.1 | 88.7 | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  |
| ≥ 1800            | 79.0                       | 87.1 | 88.7 | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  |
| ≥ 1500            | 83.9                       | 94.4 | 96.8 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| ≥ 1200            | 84.7                       | 95.2 | 97.6 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 1000            | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900             | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800             | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700             | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600             | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500             | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400             | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300             | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200             | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100             | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0               | 85.5                       | 96.0 | 98.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA NWSE 73-76 MAY 16 1968  
 MONTH HOURS (LST) YEARS

 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 |
| NO CEILING        | 42.7                       | 44.4 | 44.4 | 44.4 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2   |
| ≥ 20000           | 62.1                       | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   |
| ≥ 18000           | 62.1                       | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   |
| ≥ 16000           | 62.1                       | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   |
| ≥ 14000           | 62.1                       | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   |
| ≥ 12000           | 62.1                       | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   |
| ≥ 10000           | 63.7                       | 69.4 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2   |
| ≥ 9000            | 63.7                       | 69.4 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2   |
| ≥ 8000            | 66.9                       | 72.6 | 72.6 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4   |
| ≥ 7000            | 66.9                       | 72.6 | 72.6 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4   |
| ≥ 6000            | 68.6                       | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   |
| ≥ 5000            | 68.6                       | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   |
| ≥ 4500            | 68.6                       | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   |
| ≥ 4000            | 70.2                       | 75.8 | 75.8 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6   |
| ≥ 3500            | 74.2                       | 80.7 | 81.5 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   |
| ≥ 3000            | 79.0                       | 86.2 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   |
| ≥ 2500            | 80.7                       | 87.9 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5   |
| ≥ 2000            | 82.3                       | 89.5 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   |
| ≥ 1800            | 82.3                       | 89.5 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   |
| ≥ 1500            | 87.1                       | 95.2 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   |
| ≥ 1200            | 87.9                       | 96.0 | 96.8 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   |
| ≥ 1000            | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| ≥ 900             | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| ≥ 800             | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| ≥ 700             | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| ≥ 600             | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| ≥ 500             | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| ≥ 400             | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| ≥ 300             | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| ≥ 200             | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| ≥ 100             | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |
| 0                 | 88.7                       | 96.8 | 97.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA NAWS 73-76 YEARS MAY MONTH 19 HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |       |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ ¼   |
| NO CEILING        |                            | 46.0 | 50.0 | 50.8 | 51.6 | 51.6 | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  |
| ≥ 20000           |                            | 55.7 | 64.5 | 66.1 | 66.9 | 66.9 | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  |
| ≥ 18000           |                            | 56.5 | 65.3 | 66.9 | 67.7 | 67.7 | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  |
| ≥ 16000           |                            | 56.5 | 65.3 | 66.9 | 67.7 | 67.7 | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  |
| ≥ 14000           |                            | 57.3 | 66.1 | 67.7 | 68.6 | 68.6 | 68.6  | 68.6  | 68.6  | 68.6  | 68.6  | 68.6  | 68.6  |
| ≥ 12000           |                            | 58.1 | 66.9 | 68.6 | 69.4 | 69.4 | 69.4  | 69.4  | 69.4  | 69.4  | 69.4  | 69.4  | 69.4  |
| ≥ 10000           |                            | 58.9 | 68.6 | 70.2 | 71.0 | 71.0 | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| ≥ 9000            |                            | 60.5 | 70.2 | 71.8 | 72.6 | 72.6 | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  |
| ≥ 8000            |                            | 66.9 | 76.6 | 78.2 | 79.0 | 79.0 | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  |
| ≥ 7000            |                            | 70.2 | 80.7 | 82.3 | 83.1 | 83.1 | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  |
| ≥ 6000            |                            | 70.2 | 80.7 | 82.3 | 83.1 | 83.1 | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  | 83.1  |
| ≥ 5000            |                            | 71.0 | 81.5 | 83.1 | 83.9 | 83.9 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  |
| ≥ 4500            |                            | 72.6 | 83.9 | 85.5 | 86.3 | 86.3 | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  |
| ≥ 4000            |                            | 72.6 | 83.9 | 85.5 | 86.3 | 86.3 | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  |
| ≥ 3500            |                            | 73.4 | 84.7 | 86.3 | 87.1 | 87.1 | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  |
| ≥ 3000            |                            | 75.8 | 87.1 | 88.7 | 89.5 | 89.5 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  |
| ≥ 2500            |                            | 76.6 | 88.7 | 91.1 | 91.9 | 91.9 | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  |
| ≥ 2000            |                            | 78.2 | 90.3 | 92.7 | 93.6 | 93.6 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  |
| ≥ 1800            |                            | 78.2 | 90.3 | 92.7 | 93.6 | 93.6 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  |
| ≥ 1500            |                            | 80.7 | 94.4 | 96.8 | 98.4 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 1200            |                            | 80.7 | 94.4 | 96.8 | 98.4 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 1000            |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900             |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800             |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700             |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600             |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500             |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400             |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300             |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200             |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100             |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0                 |                            | 80.7 | 94.4 | 97.6 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

124



# CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA NWSE 74-76 YEARS MAY MONTH 22 HOURS (LST)

4515

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            | 46.0 | 49.2 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8   | 50.8 | 50.8 |
| ≥ 20000           |                            | 60.5 | 67.7 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2   | 70.2 | 70.2 |
| 18000             |                            | 60.5 | 67.7 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2   | 70.2 | 70.2 |
| 16000             |                            | 60.5 | 67.7 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2   | 70.2 | 70.2 |
| 14000             |                            | 62.9 | 70.2 | 71.8 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6   | 72.6 | 72.6 |
| 12000             |                            | 63.7 | 71.0 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4   | 73.4 | 73.4 |
| 10000             |                            | 68.6 | 76.6 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0   | 79.0 | 79.0 |
| 9000              |                            | 68.6 | 76.6 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0   | 79.0 | 79.0 |
| 8000              |                            | 73.4 | 82.3 | 83.9 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7   | 84.7 | 84.7 |
| 7000              |                            | 75.0 | 83.9 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 | 86.3 |
| 6000              |                            | 75.0 | 83.9 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 | 86.3 |
| 5000              |                            | 75.0 | 83.9 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 | 86.3 |
| 4500              |                            | 75.0 | 83.9 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 | 86.3 |
| 4000              |                            | 75.0 | 83.9 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 | 86.3 |
| 3500              |                            | 75.0 | 83.9 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 | 86.3 |
| 3000              |                            | 77.4 | 86.3 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7   | 88.7 | 88.7 |
| 2500              |                            | 78.2 | 87.9 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9   | 91.9 | 91.9 |
| 2000              |                            | 81.5 | 91.1 | 94.4 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |
| 1800              |                            | 81.5 | 91.1 | 94.4 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |
| 1500              |                            | 82.3 | 92.7 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 1200              |                            | 82.3 | 92.7 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 1000              |                            | 82.3 | 92.7 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 900               |                            | 82.3 | 92.7 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 800               |                            | 82.3 | 92.7 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 700               |                            | 82.3 | 92.7 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 600               |                            | 82.3 | 92.7 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 500               |                            | 82.3 | 92.7 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 400               |                            | 83.1 | 93.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 300               |                            | 83.1 | 93.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 200               |                            | 83.1 | 93.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 100               |                            | 83.1 | 93.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 0                 |                            | 83.1 | 93.6 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 124



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSB

73-76

YEARS

MAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           |                            | 41.7 | 47.3 | 48.8 | 49.9 | 50.1 | 50.3 | 50.4 | 50.4 | 50.4 | 50.4 |
| ≥ 18000           |                            | 53.6 | 61.5 | 63.2 | 64.4 | 64.6 | 64.8 | 64.9 | 65.0 | 65.0 | 65.0 |
| ≥ 16000           |                            | 53.9 | 62.0 | 63.7 | 64.9 | 65.1 | 65.3 | 65.4 | 65.4 | 65.5 | 65.5 |
| ≥ 14000           |                            | 53.9 | 62.0 | 63.7 | 64.9 | 65.1 | 65.3 | 65.4 | 65.4 | 65.5 | 65.5 |
| ≥ 12000           |                            | 54.7 | 62.9 | 64.7 | 65.9 | 66.1 | 66.3 | 66.4 | 66.4 | 66.5 | 66.5 |
| ≥ 10000           |                            | 55.4 | 63.6 | 65.4 | 66.6 | 66.8 | 67.0 | 67.1 | 67.2 | 67.2 | 67.2 |
| ≥ 9000            |                            | 57.7 | 66.5 | 68.5 | 69.7 | 69.9 | 70.2 | 70.3 | 70.3 | 70.4 | 70.4 |
| ≥ 8000            |                            | 58.5 | 67.4 | 69.4 | 70.6 | 70.8 | 71.1 | 71.2 | 71.3 | 71.3 | 71.3 |
| ≥ 7000            |                            | 63.1 | 73.0 | 75.2 | 76.5 | 76.7 | 77.0 | 77.1 | 77.2 | 77.2 | 77.2 |
| ≥ 6000            |                            | 64.8 | 74.8 | 77.2 | 78.5 | 78.7 | 79.0 | 79.1 | 79.2 | 79.2 | 79.2 |
| ≥ 5000            |                            | 64.9 | 74.9 | 77.3 | 78.6 | 78.8 | 79.1 | 79.2 | 79.3 | 79.3 | 79.3 |
| ≥ 4500            |                            | 65.2 | 75.2 | 77.6 | 79.0 | 79.2 | 79.5 | 79.6 | 79.7 | 79.7 | 79.7 |
| ≥ 4000            |                            | 65.7 | 75.8 | 78.2 | 79.6 | 79.8 | 80.1 | 80.2 | 80.3 | 80.3 | 80.3 |
| ≥ 3500            |                            | 66.5 | 76.8 | 79.2 | 80.7 | 80.9 | 81.2 | 81.3 | 81.4 | 81.4 | 81.4 |
| ≥ 3000            |                            | 68.5 | 78.8 | 81.3 | 82.7 | 82.9 | 83.2 | 83.3 | 83.4 | 83.4 | 83.4 |
| ≥ 2500            |                            | 71.6 | 82.3 | 84.7 | 86.2 | 86.4 | 86.8 | 86.9 | 87.0 | 87.0 | 87.0 |
| ≥ 2000            |                            | 73.1 | 84.0 | 87.0 | 88.6 | 88.8 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 |
| ≥ 1800            |                            | 74.6 | 86.0 | 89.3 | 91.1 | 91.3 | 91.8 | 92.0 | 92.1 | 92.1 | 92.1 |
| ≥ 1500            |                            | 74.6 | 86.0 | 89.3 | 91.1 | 91.3 | 91.8 | 92.0 | 92.1 | 92.1 | 92.1 |
| ≥ 1200            |                            | 77.7 | 90.1 | 93.9 | 95.9 | 96.2 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 |
| ≥ 1000            |                            | 78.1 | 90.5 | 94.4 | 96.4 | 96.7 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 |
| ≥ 900             |                            | 78.5 | 90.9 | 94.9 | 96.9 | 97.2 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 |
| ≥ 800             |                            | 78.6 | 91.0 | 95.0 | 97.0 | 97.3 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 |
| ≥ 700             |                            | 78.8 | 91.2 | 95.4 | 97.4 | 97.7 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 600             |                            | 78.9 | 91.3 | 95.5 | 97.5 | 97.8 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 |
| ≥ 500             |                            | 78.9 | 91.3 | 95.5 | 97.5 | 97.8 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 |
| ≥ 400             |                            | 79.0 | 91.5 | 95.9 | 97.9 | 98.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 300             |                            | 79.0 | 91.5 | 95.9 | 97.9 | 98.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 200             |                            | 79.0 | 91.5 | 95.9 | 97.9 | 98.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 100             |                            | 79.0 | 91.5 | 95.9 | 97.9 | 98.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 |
| 0                 |                            | 79.0 | 91.5 | 95.9 | 97.9 | 98.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

992

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

## CEILING VERSUS VISIBILITY

12723  
STATION

CHARLESTON, SOUTH CAROLINA NASD

73-76

YEARS

JUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (L.S.T.)

4513

MHH

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

MHP

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   |
| NO CEILING        |                            | 42.0 | 44.5 | 47.1 | 47.9 | 47.9 | 47.9  | 47.9  | 47.9  | 47.9  | 47.9  | 47.9  |
| ≥ 20000           |                            | 49.6 | 53.8 | 57.1 | 58.0 | 58.0 | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  |
| ≥ 18000           |                            | 49.6 | 53.8 | 57.1 | 58.0 | 58.0 | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  |
| ≥ 16000           |                            | 49.6 | 53.8 | 57.1 | 58.0 | 58.0 | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  | 58.0  |
| ≥ 14000           |                            | 50.4 | 54.6 | 58.0 | 58.8 | 58.8 | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  |
| ≥ 12000           |                            | 53.8 | 58.0 | 61.3 | 62.2 | 62.2 | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| ≥ 10000           |                            | 58.8 | 63.0 | 66.4 | 67.2 | 67.2 | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  |
| ≥ 9000            |                            | 58.8 | 63.0 | 67.2 | 68.1 | 68.1 | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  | 68.9  |
| ≥ 8000            |                            | 67.2 | 73.1 | 76.5 | 77.3 | 77.3 | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  |
| ≥ 7000            |                            | 70.6 | 76.5 | 80.7 | 81.5 | 81.5 | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  |
| ≥ 6000            |                            | 70.6 | 76.5 | 80.7 | 81.5 | 81.5 | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  |
| ≥ 5000            |                            | 71.4 | 77.3 | 81.5 | 82.4 | 82.4 | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  |
| ≥ 4500            |                            | 71.4 | 77.3 | 81.5 | 82.4 | 82.4 | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  |
| ≥ 4000            |                            | 74.0 | 79.8 | 84.0 | 84.9 | 84.9 | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  |
| ≥ 3500            |                            | 74.0 | 79.8 | 84.0 | 84.9 | 84.9 | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  |
| ≥ 3000            |                            | 76.5 | 80.7 | 84.9 | 85.7 | 85.7 | 86.6  | 86.6  | 86.6  | 86.6  | 86.6  | 86.6  |
| ≥ 2500            |                            | 76.5 | 80.7 | 84.9 | 85.7 | 85.7 | 86.6  | 86.6  | 86.6  | 86.6  | 86.6  | 86.6  |
| ≥ 2000            |                            | 81.5 | 89.9 | 95.0 | 95.8 | 95.8 | 96.6  | 96.6  | 96.6  | 96.6  | 96.6  | 96.6  |
| ≥ 1800            |                            | 81.5 | 89.9 | 95.0 | 95.8 | 95.8 | 96.6  | 96.6  | 96.6  | 96.6  | 96.6  | 96.6  |
| ≥ 1500            |                            | 81.5 | 90.8 | 97.5 | 98.3 | 98.3 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 1200            |                            | 81.5 | 90.8 | 97.5 | 98.3 | 98.3 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 1000            |                            | 81.5 | 90.8 | 97.5 | 98.3 | 98.3 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 900             |                            | 81.5 | 90.8 | 97.5 | 98.3 | 98.3 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 800             |                            | 81.5 | 90.8 | 97.5 | 98.3 | 98.3 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 700             |                            | 81.5 | 90.8 | 97.5 | 98.3 | 98.3 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 600             |                            | 81.5 | 90.8 | 97.5 | 98.3 | 98.3 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 500             |                            | 82.4 | 91.6 | 98.3 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400             |                            | 82.4 | 91.6 | 98.3 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300             |                            | 82.4 | 91.6 | 98.3 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200             |                            | 82.4 | 91.6 | 98.3 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100             |                            | 82.4 | 91.6 | 98.3 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0                 |                            | 82.4 | 91.6 | 98.3 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

119

NAVWEASERVCOM

## CEILING VERSUS VISIBILITY

1373H STATION CHARLESTON, SOUTH CAROLINA NAVSE 73-76 YEARS MONTH 04 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
| ≥ 20000           | 42.5                       | 47.5 | 52.5 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3   | 53.3 | 53.3 |
| ≥ 18000           | 49.2                       | 56.7 | 62.5 | 63.3 | 63.3 | 63.3 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2   | 64.2 | 64.2 |
| ≥ 16000           | 49.2                       | 56.7 | 62.5 | 63.3 | 63.3 | 63.3 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2   | 64.2 | 64.2 |
| ≥ 14000           | 49.2                       | 56.7 | 62.5 | 63.3 | 63.3 | 63.3 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2   | 64.2 | 64.2 |
| ≥ 12000           | 50.8                       | 58.3 | 64.2 | 65.0 | 65.0 | 65.0 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8   | 65.8 | 65.8 |
| ≥ 10000           | 52.5                       | 60.0 | 65.8 | 66.7 | 66.7 | 66.7 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5   | 67.5 | 67.5 |
| ≥ 9000            | 52.5                       | 60.0 | 65.8 | 66.7 | 66.7 | 66.7 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5   | 67.5 | 67.5 |
| 8000              | 59.2                       | 66.7 | 73.3 | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 | 75.0 |
| 7000              | 63.3                       | 70.8 | 77.5 | 78.3 | 78.3 | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 | 79.2 |
| 6000              | 63.3                       | 70.8 | 77.5 | 78.3 | 78.3 | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 | 79.2 |
| 5000              | 63.3                       | 70.8 | 77.5 | 78.3 | 78.3 | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 | 79.2 |
| 4500              | 63.3                       | 70.8 | 77.5 | 78.3 | 78.3 | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 | 79.2 |
| 4000              | 65.8                       | 73.3 | 80.0 | 80.8 | 80.8 | 80.8 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7   | 81.7 | 81.7 |
| 3500              | 66.7                       | 74.2 | 80.8 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3   | 83.3 | 83.3 |
| 3000              | 67.5                       | 75.0 | 81.7 | 83.3 | 83.3 | 83.3 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2   | 84.2 | 84.2 |
| 2500              | 70.0                       | 80.8 | 88.3 | 90.0 | 90.0 | 90.0 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8   | 90.8 | 90.8 |
| 2000              | 72.5                       | 84.2 | 91.7 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 |
| 1800              | 72.5                       | 84.2 | 91.7 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 |
| 1500              | 72.5                       | 84.2 | 91.7 | 93.3 | 93.3 | 93.3 | 95.0 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8   | 95.8 | 95.8 |
| 1200              | 72.5                       | 84.2 | 91.7 | 93.3 | 93.3 | 93.3 | 95.0 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8   | 95.8 | 95.8 |
| 1000              | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 900               | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 800               | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 700               | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 600               | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 500               | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 400               | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 300               | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 200               | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 100               | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 0                 | 73.3                       | 85.0 | 92.5 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

M H M M



## CEILING VERSUS VISIBILITY

13759  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

JUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (L.S.T.)

4511

HHH

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
| ≥ 20000           | 28.3                       | 39.2 | 49.2 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8   | 50.8 | 50.8 |
| ≥ 18000           | 20.8                       | 43.3 | 54.2 | 55.8 | 56.7 | 56.7 | 56.7 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5   | 57.5 | 57.5 |
| ≥ 16000           | 30.8                       | 43.3 | 54.2 | 55.8 | 56.7 | 56.7 | 56.7 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5   | 57.5 | 57.5 |
| ≥ 14000           | 30.8                       | 43.3 | 54.2 | 55.8 | 56.7 | 56.7 | 56.7 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5   | 57.5 | 57.5 |
| ≥ 12000           | 30.8                       | 43.3 | 54.2 | 55.8 | 56.7 | 56.7 | 56.7 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5   | 57.5 | 57.5 |
| ≥ 10000           | 33.3                       | 45.8 | 56.7 | 58.3 | 59.2 | 59.2 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0   | 60.0 | 60.0 |
| ≥ 9000            | 35.8                       | 48.3 | 59.2 | 60.8 | 61.7 | 61.7 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5   | 62.5 | 62.5 |
| ≥ 8000            | 35.8                       | 48.3 | 59.2 | 60.8 | 61.7 | 61.7 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5   | 62.5 | 62.5 |
| ≥ 7000            | 43.3                       | 56.7 | 69.2 | 70.8 | 71.7 | 71.7 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5   | 72.5 | 72.5 |
| ≥ 6000            | 46.7                       | 60.0 | 72.5 | 74.2 | 75.0 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 | 75.8 |
| ≥ 5000            | 46.7                       | 60.0 | 72.5 | 74.2 | 75.0 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 | 75.8 |
| ≥ 4500            | 47.5                       | 60.8 | 73.3 | 75.0 | 75.8 | 75.8 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7   | 76.7 | 76.7 |
| ≥ 4000            | 47.5                       | 60.8 | 73.3 | 75.0 | 75.8 | 75.8 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7   | 76.7 | 76.7 |
| ≥ 3500            | 47.5                       | 60.8 | 73.3 | 75.0 | 75.8 | 75.8 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7   | 76.7 | 76.7 |
| ≥ 3000            | 48.3                       | 61.7 | 75.0 | 76.7 | 77.5 | 77.5 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3   | 78.3 | 78.3 |
| ≥ 2500            | 49.2                       | 63.3 | 76.7 | 78.3 | 79.2 | 79.2 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0   | 80.0 | 80.0 |
| ≥ 2000            | 52.5                       | 66.7 | 81.7 | 83.3 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8   | 85.8 | 85.8 |
| ≥ 1800            | 55.8                       | 70.0 | 86.7 | 88.3 | 89.2 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 | 91.7 |
| ≥ 1500            | 55.8                       | 70.0 | 86.7 | 88.3 | 89.2 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 | 91.7 |
| ≥ 1200            | 56.7                       | 70.8 | 87.5 | 89.2 | 90.0 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5   | 92.5 | 92.5 |
| ≥ 1000            | 56.7                       | 70.8 | 87.5 | 89.2 | 90.0 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5   | 92.5 | 92.5 |
| ≥ 900             | 56.7                       | 70.8 | 87.5 | 89.2 | 90.0 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5   | 92.5 | 92.5 |
| ≥ 800             | 57.5                       | 71.7 | 89.2 | 91.7 | 92.5 | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |
| ≥ 700             | 57.5                       | 71.7 | 89.2 | 91.7 | 92.5 | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |
| ≥ 600             | 57.5                       | 71.7 | 89.2 | 91.7 | 92.5 | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |
| ≥ 500             | 57.5                       | 71.7 | 89.2 | 91.7 | 92.5 | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |
| ≥ 400             | 58.3                       | 73.3 | 90.8 | 93.3 | 94.2 | 95.0 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| ≥ 300             | 58.3                       | 73.3 | 90.8 | 93.3 | 94.2 | 95.0 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| ≥ 200             | 58.3                       | 73.3 | 90.8 | 93.3 | 94.2 | 95.0 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| ≥ 100             | 58.3                       | 73.3 | 90.8 | 93.3 | 94.2 | 95.0 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| ≥ 0               | 58.3                       | 73.3 | 90.8 | 93.3 | 94.2 | 95.0 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM



## CEILING VERSUS VISIBILITY

18738  
STATION

CHARLESTON, SOUTH CAROLINA NWSE0 73-76

YEARS

JUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           | 32.5                       | 35.0 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| 18000             | 45.0                       | 49.2 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 16000             | 45.0                       | 49.2 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 14000             | 45.0                       | 49.2 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 12000             | 45.8                       | 50.0 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| 10000             | 45.8                       | 50.0 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| 9000              | 46.7                       | 51.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| 8000              | 47.5                       | 52.5 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 7000              | 52.5                       | 57.5 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| 6000              | 52.5                       | 58.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 5000              | 52.5                       | 58.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 4500              | 52.5                       | 58.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 4000              | 52.5                       | 59.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 3500              | 54.2                       | 63.3 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 3000              | 55.8                       | 66.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| 2500              | 58.3                       | 69.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 2000              | 71.7                       | 83.3 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 1800              | 72.5                       | 84.2 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| 1500              | 76.7                       | 88.3 | 94.2 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 1200              | 76.7                       | 88.3 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 1000              | 77.5                       | 89.2 | 95.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 900               | 77.5                       | 89.2 | 95.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 800               | 78.3                       | 90.8 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 700               | 78.3                       | 90.8 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 600               | 78.3                       | 90.8 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 500               | 79.2                       | 91.7 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 400               | 79.2                       | 91.7 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 300               | 79.2                       | 91.7 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 200               | 79.2                       | 91.7 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100               | 79.2                       | 91.7 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0                 | 79.2                       | 91.7 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

## CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA MNSD 73-76 YEARS MONTH JUN 13 HOURS (LST.) 13

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      | ≥ 10 |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            | 28.3 | 33.3 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0   | 35.0 | 35.0 |
| ≥ 20000           |                            | 37.5 | 44.2 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8   | 45.8 | 45.8 |
| 18000             | AI AI                      | 37.5 | 44.2 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8   | 45.8 | 45.8 |
| 16000             | AI AI                      | 37.5 | 44.2 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8   | 45.8 | 45.8 |
| 14000             | AI AI                      | 37.5 | 44.2 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8   | 45.8 | 45.8 |
| 12000             | AI AI                      | 37.5 | 44.2 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8   | 45.8 | 45.8 |
| 10000             | AI AI                      | 38.3 | 45.8 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5   | 47.5 | 47.5 |
| 9000              | AI AI                      | 38.3 | 45.8 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5   | 47.5 | 47.5 |
| 8000              | AI AI                      | 43.3 | 52.5 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0   | 55.0 | 55.0 |
| 7000              | AI AI                      | 44.2 | 54.2 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7   | 56.7 | 56.7 |
| 6000              | AI AI                      | 44.2 | 54.2 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7   | 56.7 | 56.7 |
| 5000              | AI AI                      | 44.2 | 54.2 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7   | 56.7 | 56.7 |
| 4500              | AI AI                      | 44.2 | 54.2 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7   | 56.7 | 56.7 |
| 4000              | AI AI                      | 44.2 | 55.0 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5   | 57.5 | 57.5 |
| 3500              | AI AI                      | 48.3 | 59.2 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5   | 62.5 | 62.5 |
| 3000              | AI AI                      | 54.2 | 65.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2   | 69.2 | 69.2 |
| 2500              | AI AI                      | 62.5 | 74.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3   | 78.3 | 78.3 |
| 2000              | AI AI                      | 73.3 | 85.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8   | 90.8 | 90.8 |
| 1800              | AI AI                      | 73.3 | 85.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8   | 90.8 | 90.8 |
| 1500              | AI AI                      | 77.5 | 90.0 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8   | 95.8 | 95.8 |
| 1200              | AI AI                      | 78.3 | 90.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7   | 96.7 | 96.7 |
| 1000              | AI AI                      | 80.0 | 92.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 | 98.3 |
| 900               | AI AI                      | 80.0 | 92.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 | 98.3 |
| 800               | AI AI                      | 80.8 | 93.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 700               | AI AI                      | 80.8 | 93.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 600               | AI AI                      | 80.8 | 93.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 500               | AI AI                      | 80.8 | 93.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 400               | AI AI                      | 80.8 | 93.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 300               | AI AI                      | 80.8 | 93.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 200               | AI AI                      | 80.8 | 93.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 100               | AI AI                      | 80.8 | 93.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| 0                 | AI AI                      | 80.8 | 93.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

4509

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNH

NNH

## CEILING VERSUS VISIBILITY

13728  
STATION

CHARLESTON, SOUTH CAROLINA NWS

73-76

STATION NAME

YEARS

JUN  
MONTH16  
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |       |       |       |       |       |       |       |       |        |       | HMM   |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ 5/16 | ≥ ¼   | ≥ 0   |
| NO CEILING        |                            | 33.3 | 36.7 | 37.5 | 37.5  | 37.5  | 37.5  | 37.5  | 37.5  | 37.5  | 37.5  | 37.5  | 37.5   | 37.5  | 37.5  |
| ≥ 20000           |                            | 43.3 | 47.5 | 49.2 | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2   | 49.2  | 49.2  |
| 18000             | AI                         | 43.3 | 47.5 | 49.2 | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2   | 49.2  | 49.2  |
| 16000             | AI                         | 43.3 | 47.5 | 49.2 | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2   | 49.2  | 49.2  |
| 14000             | AI                         | 43.3 | 47.5 | 49.2 | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2  | 49.2   | 49.2  | 49.2  |
| 12000             | AI                         | 43.3 | 48.3 | 50.0 | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0   | 50.0  | 50.0  |
| 10000             | AI                         | 44.2 | 50.0 | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7  | 51.7  |
| 9000              | AI                         | 44.2 | 50.0 | 51.7 | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7   | 51.7  | 51.7  |
| 8000              | AI                         | 54.2 | 60.8 | 62.5 | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5  | 62.5   | 62.5  | 62.5  |
| 7000              | AI                         | 55.8 | 62.5 | 64.2 | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2   | 64.2  | 64.2  |
| 6000              | AI                         | 55.8 | 62.5 | 64.2 | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2   | 64.2  | 64.2  |
| 5000              | AI                         | 56.7 | 63.3 | 65.0 | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0   | 65.0  | 65.0  |
| 4500              | AI                         | 56.7 | 63.3 | 65.0 | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0   | 65.0  | 65.0  |
| 4000              | AI                         | 57.5 | 64.2 | 65.8 | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8   | 65.8  | 65.8  |
| 3500              | AI                         | 60.0 | 66.7 | 68.3 | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3  | 68.3   | 68.3  | 68.3  |
| 3000              | AI                         | 65.0 | 71.7 | 73.3 | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3  | 73.3   | 73.3  | 73.3  |
| 2500              | AI                         | 67.5 | 76.7 | 80.0 | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8   | 80.8  | 80.8  |
| 2000              | AI                         | 75.8 | 85.8 | 91.7 | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5   | 92.5  | 92.5  |
| 1800              | AI                         | 75.8 | 85.8 | 91.7 | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5   | 92.5  | 92.5  |
| 1500              | AI                         | 78.3 | 89.2 | 95.0 | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8   | 95.8  | 95.8  |
| 1200              | AI                         | 79.2 | 90.0 | 95.8 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3   | 98.3  | 98.3  |
| 1000              | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 900               | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 800               | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 700               | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 600               | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 500               | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 400               | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 300               | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 200               | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 100               | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 0                 | AI                         | 80.8 | 91.7 | 97.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSO

71-76

YEARS

JUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)19  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |
| ≥ 20000           |                            | 30.8 | 32.5 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3   | 33.3 | 33.3 | 33.3 |
| ≥ 18000           |                            | 45.8 | 50.0 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5   | 52.5 | 52.5 | 52.5 |
| ≥ 16000           |                            | 46.7 | 50.8 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3   | 53.3 | 53.3 | 53.3 |
| ≥ 14000           |                            | 46.7 | 50.8 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3   | 53.3 | 53.3 | 53.3 |
| ≥ 12000           |                            | 48.3 | 53.3 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8   | 55.8 | 55.8 | 55.8 |
| ≥ 10000           |                            | 49.2 | 54.2 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7   | 56.7 | 56.7 | 56.7 |
| ≥ 9000            |                            | 52.5 | 57.5 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0   | 60.0 | 60.0 | 60.0 |
| ≥ 8000            |                            | 52.5 | 57.5 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0   | 60.0 | 60.0 | 60.0 |
| ≥ 7000            |                            | 63.3 | 68.3 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   | 70.8 | 70.8 | 70.8 |
| ≥ 6000            |                            | 65.0 | 70.0 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5   | 72.5 | 72.5 | 72.5 |
| ≥ 5000            |                            | 65.0 | 70.0 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5   | 72.5 | 72.5 | 72.5 |
| ≥ 4500            |                            | 65.8 | 70.8 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3   | 73.3 | 73.3 | 73.3 |
| ≥ 4000            |                            | 66.7 | 71.7 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2 | 74.2 | 74.2 |
| ≥ 3500            |                            | 67.5 | 72.5 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 | 75.0 | 75.0 |
| ≥ 3000            |                            | 67.5 | 72.5 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 | 75.0 | 75.0 |
| ≥ 2500            |                            | 68.3 | 74.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 | 79.2 | 79.2 |
| ≥ 2000            |                            | 70.0 | 77.5 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2   | 84.2 | 84.2 | 84.2 |
| ≥ 1800            |                            | 73.3 | 84.2 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 | 91.7 | 91.7 |
| ≥ 1500            |                            | 73.3 | 84.2 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 | 91.7 | 91.7 |
| ≥ 1200            |                            | 77.5 | 88.3 | 95.8 | 97.5 | 97.5 | 97.5 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3   | 98.3 | 98.3 | 98.3 |
| ≥ 1000            |                            | 77.5 | 88.3 | 96.7 | 98.3 | 98.3 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| ≥ 900             |                            | 77.5 | 88.3 | 96.7 | 98.3 | 98.3 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| ≥ 800             |                            | 77.5 | 89.2 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| ≥ 700             |                            | 77.5 | 89.2 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| ≥ 600             |                            | 77.5 | 89.2 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| ≥ 500             |                            | 77.5 | 89.2 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| ≥ 400             |                            | 77.5 | 89.2 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| ≥ 300             |                            | 77.5 | 89.2 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| ≥ 200             |                            | 77.5 | 89.2 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| ≥ 100             |                            | 77.5 | 89.2 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| 0                 |                            | 77.5 | 89.2 | 97.5 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

4507

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

MMH

MMH



## CEILING VERSUS VISIBILITY

13728  
STATION

CHARLESTON, SOUTH CAROLINA NWSO

73-76

YEARS

JUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |       |       |       |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ ¼   |
| NO CEILING        |                            | 41.7 | 44.2 | 46.7 | 46.7  | 46.7  | 46.7  | 46.7  | 46.7  | 46.7  | 46.7  | 46.7  | 46.7  |
| ≥ 20000           |                            | 50.0 | 54.2 | 59.2 | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  |
| AI 18000          |                            | 50.0 | 54.2 | 59.2 | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  |
| AI 16000          |                            | 50.0 | 54.2 | 59.2 | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  |
| AI 14000          |                            | 51.7 | 55.8 | 60.8 | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  |
| AI 12000          |                            | 54.2 | 58.3 | 63.3 | 63.3  | 63.3  | 63.3  | 63.3  | 63.3  | 63.3  | 63.3  | 63.3  | 63.3  |
| AI 10000          |                            | 57.5 | 64.2 | 69.2 | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  |
| AI 9000           |                            | 57.5 | 65.0 | 70.0 | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  |
| AI 8000           |                            | 65.8 | 73.3 | 79.2 | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  |
| AI 7000           |                            | 70.8 | 78.3 | 84.2 | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| AI 6000           |                            | 70.8 | 78.3 | 84.2 | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| AI 5000           |                            | 70.8 | 78.3 | 84.2 | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| AI 4500           |                            | 70.8 | 78.3 | 84.2 | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| AI 4000           |                            | 70.8 | 78.3 | 84.2 | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| AI 3500           |                            | 71.7 | 79.2 | 85.8 | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  |
| AI 3000           |                            | 74.2 | 81.7 | 88.3 | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  |
| AI 2500           |                            | 74.2 | 85.0 | 92.5 | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  |
| AI 2000           |                            | 75.8 | 89.7 | 95.0 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| AI 1800           |                            | 75.8 | 86.7 | 95.0 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| AI 1500           |                            | 77.5 | 89.2 | 97.5 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| AI 1200           |                            | 77.5 | 89.2 | 97.5 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| AI 1000           |                            | 77.5 | 89.2 | 97.5 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| AI 900            |                            | 77.5 | 89.2 | 97.5 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| AI 800            |                            | 77.5 | 89.2 | 97.5 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| AI 700            |                            | 77.5 | 89.2 | 97.5 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| AI 600            |                            | 77.5 | 89.2 | 97.5 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| AI 500            |                            | 78.3 | 90.0 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| AI 400            |                            | 78.3 | 90.0 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| AI 300            |                            | 78.3 | 90.0 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| AI 200            |                            | 78.3 | 90.0 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| AI 100            |                            | 78.3 | 90.0 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0                 |                            | 78.3 | 90.0 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

## CEILING VERSUS VISIBILITY

13728  
STATION

CHARLESTON, SOUTH CAROLINA NASD

73-76

YEARS

JUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 34.9                       | 39.1 | 42.3 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8   | 42.8 |
| ≥ 18000           | 43.9                       | 49.8 | 54.1 | 54.5 | 54.6 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0   | 55.0 |
| ≥ 16000           | 44.0                       | 50.0 | 54.2 | 54.9 | 54.7 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1   | 55.1 |
| ≥ 14000           | 44.0                       | 50.0 | 54.2 | 54.6 | 54.7 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1   | 55.1 |
| ≥ 12000           | 44.6                       | 50.7 | 55.0 | 55.4 | 55.5 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8   | 55.8 |
| ≥ 10000           | 46.0                       | 52.2 | 56.5 | 56.9 | 57.0 | 57.2 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4   | 57.4 |
| ≥ 9000            | 49.3                       | 55.1 | 59.4 | 59.9 | 60.0 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3   | 60.3 |
| ≥ 8000            | 48.4                       | 55.4 | 59.8 | 60.2 | 60.3 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6   | 60.6 |
| ≥ 7000            | 56.1                       | 63.6 | 68.9 | 69.0 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3   | 69.3 |
| ≥ 6000            | 58.6                       | 66.3 | 71.3 | 71.7 | 71.9 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2   | 72.2 |
| ≥ 5000            | 58.6                       | 66.3 | 71.3 | 71.7 | 71.9 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2   | 72.2 |
| ≥ 4500            | 59.1                       | 66.8 | 71.9 | 72.3 | 72.4 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7   | 72.7 |
| ≥ 4000            | 59.7                       | 67.6 | 72.6 | 73.0 | 73.1 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4   | 73.4 |
| ≥ 3500            | 61.3                       | 69.6 | 74.9 | 75.4 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 |
| ≥ 3000            | 63.6                       | 72.3 | 78.0 | 78.5 | 78.6 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9   | 78.9 |
| ≥ 2500            | 66.4                       | 76.8 | 83.4 | 84.1 | 84.2 | 84.3 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6   | 84.6 |
| ≥ 2000            | 72.5                       | 83.7 | 91.4 | 92.2 | 92.3 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8   | 92.8 |
| ≥ 1800            | 72.6                       | 83.8 | 91.5 | 92.3 | 92.4 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9   | 92.9 |
| ≥ 1500            | 74.8                       | 86.3 | 94.4 | 95.4 | 95.5 | 96.0 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4   | 96.4 |
| ≥ 1200            | 75.0                       | 86.6 | 94.7 | 95.9 | 96.0 | 96.7 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0   | 97.0 |
| ≥ 1000            | 75.6                       | 87.2 | 95.5 | 96.8 | 96.9 | 97.6 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9   | 97.9 |
| ≥ 900             | 75.6                       | 87.2 | 95.5 | 96.8 | 96.9 | 97.6 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9   | 97.9 |
| ≥ 800             | 75.9                       | 87.7 | 96.1 | 97.5 | 97.6 | 98.3 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6   | 98.6 |
| ≥ 700             | 75.9                       | 87.7 | 96.1 | 97.5 | 97.6 | 98.3 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6   | 98.6 |
| ≥ 600             | 75.9                       | 87.7 | 96.1 | 97.5 | 97.6 | 98.3 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6   | 98.6 |
| ≥ 500             | 76.1                       | 87.9 | 96.4 | 97.7 | 97.8 | 98.5 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9   | 98.9 |
| ≥ 400             | 76.3                       | 88.2 | 96.7 | 98.0 | 98.1 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 300             | 76.3                       | 88.2 | 96.7 | 98.0 | 98.1 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 200             | 76.3                       | 88.2 | 96.7 | 98.0 | 98.1 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 100             | 76.3                       | 88.2 | 96.7 | 98.0 | 98.1 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| 0                 | 76.3                       | 88.2 | 96.7 | 98.0 | 98.1 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

959

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NASD 73-76

STATION NAME

YEARS

JUL  
MONTH01  
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 46.0                       | 51.6 | 59.7 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 |
| ≥ 18000           | 53.2                       | 65.3 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 |
| ≥ 16000           | 53.2                       | 65.3 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 |
| ≥ 14000           | 53.2                       | 65.3 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 |
| ≥ 12000           | 53.2                       | 65.3 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 |
| ≥ 10000           | 54.8                       | 66.9 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6   | 76.6 |
| ≥ 9000            | 54.8                       | 66.9 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6   | 76.6 |
| ≥ 8000            | 55.7                       | 67.7 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4   | 77.4 |
| ≥ 7000            | 63.7                       | 75.8 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 |
| ≥ 6000            | 64.5                       | 77.4 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 5000            | 64.5                       | 77.4 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 4500            | 64.5                       | 77.4 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 4000            | 64.5                       | 77.4 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 3500            | 66.1                       | 79.0 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5   | 89.5 |
| ≥ 3000            | 66.1                       | 80.7 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 |
| ≥ 2500            | 67.7                       | 83.1 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6   | 93.6 |
| ≥ 2000            | 71.8                       | 87.9 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |
| ≥ 1800            | 71.8                       | 87.9 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |
| ≥ 1500            | 71.8                       | 87.9 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |
| ≥ 1200            | 71.8                       | 87.9 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 |
| ≥ 1000            | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 900             | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 800             | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 700             | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 600             | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 500             | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 400             | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 300             | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 200             | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| ≥ 100             | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
| 0                 | 72.6                       | 88.7 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |

HMM

1234 - 18766

5703 CEILING VERSUS VISIBILITY JAN 68

HMM

TOTAL NUMBER OF OBSERVATIONS

124



## CEILING VERSUS VISIBILITY

13728  
STATION

CHARLESTON, SOUTH CAROLINA NWSB

73-75

YEARS

JUL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)04  
HOURS (LST)

4503

MMH

5703 CEILING VERSUS VISIBILITY JAN 68

MMH

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |       |       |       |       |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ ¼   | ≥ 0   |
| NO CEILING        |                            | 47.6 | 54.6 | 60.5 | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  |
| ≥ 20000           |                            | 56.5 | 67.7 | 75.0 | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  |
| ≥ 18000           |                            | 56.5 | 67.7 | 75.0 | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  |
| ≥ 16000           |                            | 56.5 | 67.7 | 75.0 | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  |
| ≥ 14000           |                            | 56.5 | 67.7 | 75.0 | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  |
| ≥ 12000           |                            | 56.5 | 67.7 | 75.0 | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  |
| ≥ 10000           |                            | 57.3 | 68.6 | 75.8 | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  |
| ≥ 9000            |                            | 57.3 | 68.6 | 75.8 | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  |
| ≥ 8000            |                            | 62.9 | 75.0 | 84.7 | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  |
| ≥ 7000            |                            | 65.3 | 78.2 | 88.7 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  |
| ≥ 6000            |                            | 65.3 | 78.2 | 88.7 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  |
| ≥ 5000            |                            | 65.3 | 78.2 | 88.7 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  |
| ≥ 4500            |                            | 65.3 | 78.2 | 88.7 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  |
| ≥ 4000            |                            | 65.3 | 78.2 | 88.7 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  |
| ≥ 3500            |                            | 66.1 | 79.0 | 89.5 | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  |
| ≥ 3000            |                            | 66.9 | 79.8 | 91.1 | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  |
| ≥ 2500            |                            | 67.7 | 82.3 | 93.6 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  |
| ≥ 2000            |                            | 70.2 | 84.7 | 96.8 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  |
| ≥ 1800            |                            | 70.2 | 84.7 | 96.8 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  |
| ≥ 1500            |                            | 70.2 | 85.5 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 1200            |                            | 70.2 | 85.5 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 1000            |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900             |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800             |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700             |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600             |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500             |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400             |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300             |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200             |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100             |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0               |                            | 71.0 | 86.3 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)  
07

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |      |
| NO CEILING        |                            | 33.1 | 40.3 | 54.0 | 61.3 | 62.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5   | 64.5 | 64.5 | 64.5 |
| ≥ 20000           |                            | 35.5 | 45.2 | 59.7 | 67.7 | 69.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 | 71.8 | 71.8 |
| At 18000          |                            | 35.5 | 45.2 | 59.7 | 67.7 | 69.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 | 71.8 | 71.8 |
| At 16000          |                            | 35.5 | 45.2 | 59.7 | 67.7 | 69.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 | 71.8 | 71.8 |
| At 14000          |                            | 35.5 | 45.2 | 59.7 | 67.7 | 69.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 | 71.8 | 71.8 |
| At 12000          |                            | 37.1 | 46.8 | 62.1 | 70.2 | 71.8 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2 | 74.2 | 74.2 |
| At 10000          |                            | 41.1 | 50.8 | 66.1 | 74.2 | 75.8 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2   | 78.2 | 78.2 | 78.2 |
| At 9000           |                            | 41.9 | 51.6 | 66.9 | 75.0 | 76.6 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0   | 79.0 | 79.0 | 79.0 |
| At 8000           |                            | 46.0 | 57.3 | 72.6 | 80.7 | 82.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7   | 84.7 | 84.7 | 84.7 |
| At 7000           |                            | 48.4 | 59.7 | 75.0 | 83.1 | 84.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 | 87.1 | 87.1 |
| At 6000           |                            | 49.2 | 60.5 | 75.8 | 83.9 | 85.5 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 | 87.9 | 87.9 |
| At 5000           |                            | 49.2 | 60.5 | 75.8 | 83.9 | 85.5 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 | 87.9 | 87.9 |
| At 4500           |                            | 49.2 | 60.5 | 75.8 | 83.9 | 85.5 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 | 87.9 | 87.9 |
| At 4000           |                            | 50.0 | 61.3 | 76.6 | 84.7 | 86.3 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7   | 88.7 | 88.7 | 88.7 |
| At 3500           |                            | 50.8 | 62.1 | 77.4 | 85.5 | 87.1 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5   | 89.5 | 89.5 | 89.5 |
| At 3000           |                            | 51.6 | 63.7 | 79.8 | 87.9 | 89.5 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9   | 91.9 | 91.9 | 91.9 |
| At 2500           |                            | 54.0 | 66.1 | 82.3 | 90.3 | 91.9 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 | 94.4 | 94.4 |
| At 2000           |                            | 56.5 | 68.6 | 84.7 | 92.7 | 94.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 | 96.8 |
| At 1800           |                            | 56.5 | 68.6 | 84.7 | 92.7 | 94.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 | 96.8 |
| At 1500           |                            | 56.5 | 68.6 | 84.7 | 92.7 | 94.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 | 96.8 |
| At 1200           |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 1000           |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 900            |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 800            |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 700            |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 600            |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 500            |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 400            |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 300            |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 200            |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| At 100            |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |
| 0                 |                            | 57.3 | 70.2 | 87.1 | 95.2 | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13728  
STATION

CHARLESTON, SOUTH CAROLINA NHSD

73-76

YEARS

JUL

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
| ≥ 20000           | 33.1                       | 40.3 | 48.4 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0   | 50.0 | 50.0 |
| ≥ 18000           | 37.9                       | 47.6 | 58.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 | 60.5 |
| ≥ 16000           | 37.9                       | 47.6 | 58.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 | 60.5 |
| ≥ 14000           | 37.9                       | 47.6 | 58.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 | 60.5 |
| ≥ 12000           | 37.9                       | 47.6 | 58.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 | 60.5 |
| ≥ 10000           | 39.5                       | 49.2 | 60.5 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1   | 62.1 | 62.1 |
| ≥ 9000            | 41.9                       | 53.2 | 64.5 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1   | 66.1 | 66.1 |
| ≥ 8000            | 43.6                       | 54.8 | 66.1 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   | 67.7 | 67.7 |
| ≥ 7000            | 49.2                       | 60.5 | 72.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2 | 74.2 |
| ≥ 6000            | 50.8                       | 62.1 | 74.2 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 | 75.8 |
| ≥ 5000            | 50.8                       | 62.1 | 74.2 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 | 75.8 |
| ≥ 4500            | 50.8                       | 62.1 | 74.2 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 | 75.8 |
| ≥ 4000            | 51.6                       | 62.9 | 75.0 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6   | 76.6 | 76.6 |
| ≥ 3500            | 53.2                       | 65.3 | 77.4 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0   | 79.0 | 79.0 |
| ≥ 3000            | 54.0                       | 66.1 | 78.2 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| ≥ 2500            | 58.9                       | 72.6 | 85.5 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 | 87.1 |
| ≥ 2000            | 64.5                       | 79.8 | 92.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 | 94.4 |
| ≥ 1800            | 64.5                       | 79.8 | 92.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 | 94.4 |
| ≥ 1500            | 65.3                       | 81.5 | 95.2 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| ≥ 1200            | 66.1                       | 82.3 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 |
| ≥ 1000            | 66.1                       | 82.3 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 |
| ≥ 900             | 66.1                       | 82.3 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 |
| ≥ 800             | 66.9                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| ≥ 700             | 66.9                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| ≥ 600             | 66.9                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| ≥ 500             | 66.9                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| ≥ 400             | 66.9                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| ≥ 300             | 66.9                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| ≥ 200             | 66.9                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| ≥ 100             | 66.9                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |
| ≥ 0               | 66.9                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13720  
STATION

CHARLESTON, SOUTH CAROLINA NWS

73-76

YEARS

JUL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |       |       |       |       |       |       |       |       |       |        |       |
|-------------------|----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4   | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ 5/16 | ≥ ¼   |
| NO CEILING        |                            |      |      |       |       |       |       |       |       |       |       |       |        |       |
| ≥ 20000           | 23.4                       | 30.7 | 31.5 | 32.3  | 32.3  | 32.3  | 32.3  | 32.3  | 32.3  | 32.3  | 32.3  | 32.3  | 32.3   | 32.3  |
| ≥ 18000           | 30.7                       | 41.1 | 44.4 | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2   | 45.2  |
| ≥ 16000           | 30.7                       | 41.1 | 44.4 | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2   | 45.2  |
| ≥ 14000           | 31.5                       | 41.9 | 45.2 | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0   | 46.0  |
| ≥ 12000           | 33.1                       | 43.6 | 46.8 | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  | 47.6  | 47.6   | 47.6  |
| ≥ 10000           | 35.5                       | 46.0 | 49.2 | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0   | 50.0  |
| ≥ 9000            | 36.3                       | 46.8 | 50.0 | 50.8  | 50.8  | 50.8  | 50.8  | 50.8  | 50.8  | 50.8  | 50.8  | 50.8  | 50.8   | 50.8  |
| ≥ 8000            | 40.3                       | 50.8 | 54.0 | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8   | 54.8  |
| ≥ 7000            | 43.6                       | 54.0 | 57.3 | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1   | 58.1  |
| ≥ 6000            | 42.6                       | 54.0 | 57.3 | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1   | 58.1  |
| ≥ 5000            | 43.6                       | 54.0 | 57.3 | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1   | 58.1  |
| ≥ 4500            | 43.6                       | 54.0 | 57.3 | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1  | 58.1   | 58.1  |
| ≥ 4000            | 44.4                       | 55.7 | 58.9 | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7   | 59.7  |
| ≥ 3500            | 50.8                       | 62.1 | 65.3 | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9   | 66.9  |
| ≥ 3000            | 54.0                       | 66.9 | 70.2 | 71.8  | 71.8  | 71.8  | 71.8  | 71.8  | 71.8  | 71.8  | 71.8  | 71.8  | 71.8   | 71.8  |
| ≥ 2500            | 59.7                       | 75.8 | 80.7 | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3   | 82.3  |
| ≥ 2000            | 59.4                       | 87.1 | 92.7 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4   | 94.4  |
| ≥ 1800            | 59.4                       | 87.1 | 92.7 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4   | 94.4  |
| ≥ 1500            | 71.0                       | 88.7 | 94.4 | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0   | 96.0  |
| ≥ 1200            | 72.6                       | 90.3 | 96.0 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6   | 97.6  |
| ≥ 1000            | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 900             | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 800             | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 700             | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 600             | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 500             | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 400             | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 300             | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 200             | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 100             | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| 0                 | 74.2                       | 91.9 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

124



## CEILING VERSUS VISIBILITY

STATION 13758 CHARLESTON, SOUTH CAROLINA NWS 72-76 YEARS MONTH JUL HOURS (LST) 16

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            | 32.3 | 38.7 | 41.9 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 20000           |                            | 41.9 | 51.6 | 55.7 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 18000           |                            | 41.9 | 51.6 | 55.7 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 16000           |                            | 41.9 | 51.6 | 55.7 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 14000           |                            | 42.7 | 52.4 | 56.5 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| ≥ 12000           |                            | 43.6 | 54.8 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 10000           |                            | 45.2 | 56.1 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| ≥ 9000            |                            | 45.2 | 58.1 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| ≥ 8000            |                            | 50.8 | 63.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 7000            |                            | 54.0 | 66.9 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 6000            |                            | 54.0 | 66.9 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 5000            |                            | 54.0 | 66.9 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 4500            |                            | 54.0 | 66.9 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 4000            |                            | 54.8 | 67.7 | 73.4 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| ≥ 3500            |                            | 55.7 | 68.6 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥ 3000            |                            | 57.3 | 71.0 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 2500            |                            | 61.3 | 76.6 | 83.9 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 2000            |                            | 67.7 | 84.7 | 92.7 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 1800            |                            | 67.7 | 84.7 | 92.7 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 1500            |                            | 69.4 | 86.3 | 95.2 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 1200            |                            | 69.4 | 86.3 | 95.2 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 1000            |                            | 69.4 | 86.3 | 95.2 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 900             |                            | 69.4 | 86.3 | 95.2 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 800             |                            | 69.4 | 86.3 | 96.0 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 700             |                            | 69.4 | 86.3 | 96.0 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 600             |                            | 69.4 | 86.3 | 96.0 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 500             |                            | 69.4 | 86.3 | 96.0 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 400             |                            | 69.4 | 86.3 | 96.0 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 300             |                            | 69.4 | 86.3 | 96.0 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 200             |                            | 69.4 | 86.3 | 96.0 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 100             |                            | 69.4 | 86.3 | 96.0 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0                 |                            | 69.4 | 86.3 | 96.0 | 98.4 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

4499

HHH

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

HHH



## CEILING VERSUS VISIBILITY

13738  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

JUL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)19  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           | 29.0                       | 37.1 | 41.9 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| ≥ 18000           | 51.6                       | 62.9 | 72.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| ≥ 16000           | 51.6                       | 62.9 | 72.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| ≥ 14000           | 51.6                       | 62.9 | 72.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| ≥ 12000           | 52.4                       | 63.7 | 73.4 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| ≥ 10000           | 54.3                       | 65.9 | 76.6 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 9000            | 56.5                       | 68.6 | 79.0 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 8000            | 56.5                       | 68.6 | 79.0 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 7000            | 59.7                       | 73.4 | 84.7 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 6000            | 61.3                       | 75.0 | 86.3 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 5000            | 62.1                       | 75.8 | 87.9 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 4500            | 62.1                       | 75.8 | 87.9 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 4000            | 62.1                       | 75.8 | 87.9 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 3500            | 64.5                       | 78.2 | 91.9 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 3000            | 65.3                       | 79.0 | 92.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 2500            | 66.9                       | 80.7 | 94.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 2000            | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1800            | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1500            | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1200            | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 1000            | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 900             | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 800             | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 700             | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 600             | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 500             | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 400             | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 300             | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 200             | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 100             | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 0               | 68.6                       | 83.9 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

HHP

HHP

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NASD

73-76

STATION NAME

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (LST)

4497

NNNN

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNP

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |       |       |       |       |       |       |       |        |
|-------------------|----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ 5/16 |
| NO CEILING        |                            |      |      |      |      |       |       |       |       |       |       |       |        |
| ≥ 20000           |                            | 43.6 | 50.0 | 53.2 | 54.8 | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8   |
| 18000             |                            | 57.3 | 71.8 | 77.4 | 79.0 | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0   |
| 16000             |                            | 57.3 | 71.8 | 77.4 | 79.0 | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0   |
| 14000             |                            | 57.3 | 71.8 | 77.4 | 79.0 | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0   |
| 12000             |                            | 57.3 | 71.8 | 77.4 | 79.0 | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0   |
| 10000             |                            | 58.1 | 73.4 | 79.8 | 81.5 | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5   |
| 9000              |                            | 60.5 | 75.8 | 82.3 | 83.9 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9   |
| 8000              |                            | 60.5 | 75.8 | 82.3 | 83.9 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9   |
| 7000              |                            | 64.5 | 79.8 | 86.3 | 87.9 | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9   |
| 6000              |                            | 67.7 | 83.1 | 89.5 | 91.1 | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1   |
| 5000              |                            | 67.7 | 83.1 | 89.5 | 91.1 | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1   |
| 4500              |                            | 67.7 | 83.1 | 89.5 | 91.1 | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1   |
| 4000              |                            | 67.7 | 83.1 | 89.5 | 91.1 | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1   |
| 3500              |                            | 68.6 | 83.9 | 90.3 | 91.9 | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9  | 91.9   |
| 3000              |                            | 69.4 | 84.7 | 91.9 | 93.6 | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6   |
| 2500              |                            | 71.8 | 87.1 | 94.4 | 96.0 | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0   |
| 2000              |                            | 71.8 | 87.9 | 95.2 | 96.8 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6   |
| 1800              |                            | 71.8 | 87.9 | 95.2 | 96.8 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6   |
| 1500              |                            | 72.6 | 89.5 | 96.8 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   |
| 1200              |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 1000              |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 900               |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 800               |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 700               |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 600               |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 500               |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 400               |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 300               |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 200               |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 100               |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| 0                 |                            | 73.4 | 90.3 | 97.6 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

## CEILING VERSUS VISIBILITY

13754  
STATION

CHARLESTON, SOUTH CAROLINA NWSN

71-75

YEARS

JUL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 36.0                       | 42.9 | 48.9 | 50.8 | 50.9 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2   | 51.2 |
| ≥ 18000           | 45.6                       | 56.7 | 64.7 | 66.7 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2   | 67.2 |
| ≥ 16000           | 45.6                       | 56.7 | 64.7 | 66.7 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2   | 67.2 |
| ≥ 14000           | 45.9                       | 57.0 | 65.0 | 67.0 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5   | 67.5 |
| ≥ 12000           | 47.2                       | 58.7 | 66.9 | 69.0 | 69.2 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5   | 69.5 |
| ≥ 10000           | 49.1                       | 61.0 | 69.4 | 71.4 | 71.6 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9   | 71.9 |
| ≥ 9000            | 49.6                       | 61.5 | 70.0 | 72.0 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5   | 72.5 |
| 8000              | 54.6                       | 67.0 | 76.0 | 78.0 | 78.2 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5   | 78.5 |
| 7000              | 57.0                       | 69.6 | 78.6 | 80.7 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2   | 81.2 |
| 6000              | 57.2                       | 69.8 | 78.9 | 81.0 | 81.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5   | 81.5 |
| 5000              | 57.2                       | 69.8 | 79.0 | 81.1 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6   | 81.6 |
| 4500              | 57.2                       | 69.8 | 79.0 | 81.1 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6   | 81.6 |
| 4000              | 57.6                       | 70.3 | 79.6 | 81.7 | 81.9 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2   | 82.2 |
| 3500              | 59.5                       | 72.3 | 82.1 | 84.2 | 84.4 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7   | 84.7 |
| 3000              | 60.6                       | 74.0 | 84.1 | 86.2 | 86.4 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   | 86.7 |
| 2500              | 63.5                       | 78.0 | 88.4 | 90.5 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0   | 91.0 |
| 2000              | 67.5                       | 83.1 | 93.8 | 95.9 | 96.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6   | 96.6 |
| 1800              | 67.5                       | 83.1 | 93.8 | 95.9 | 96.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6   | 96.6 |
| 1500              | 68.2                       | 84.1 | 95.2 | 97.3 | 97.6 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1   | 98.1 |
| 1200              | 68.7                       | 84.6 | 95.7 | 98.1 | 98.4 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9   | 98.9 |
| 1000              | 69.1                       | 85.0 | 96.1 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4   | 99.4 |
| 900               | 69.1                       | 85.0 | 96.1 | 98.6 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4   | 99.4 |
| 800               | 69.2                       | 85.2 | 96.4 | 98.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8 |
| 700               | 69.2                       | 85.2 | 96.4 | 98.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8 |
| 600               | 69.2                       | 85.2 | 96.4 | 98.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8 |
| 500               | 69.2                       | 85.2 | 96.4 | 98.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8 |
| 400               | 69.2                       | 85.2 | 96.4 | 98.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8 |
| 300               | 69.2                       | 85.2 | 96.4 | 98.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8 |
| 200               | 69.2                       | 85.2 | 96.4 | 98.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8 |
| 100               | 69.2                       | 85.2 | 96.4 | 98.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8 |
| 0                 | 69.2                       | 85.2 | 96.4 | 98.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8   | 99.8 |

TOTAL NUMBER OF OBSERVATIONS

992

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NPP



## CEILING VERSUS VISIBILITY

13728  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

AUG  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |       |       |       |       |       |       |       |        |       |       |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ 5/16 | ≥ ¼   | ≥ 0   |
| NO CEILING        |                            |      |      |      |       |       |       |       |       |       |       |        |       |       |
| ≥ 20000           |                            | 57.3 | 63.7 | 63.7 | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5   | 64.5  | 64.5  |
| 18000             |                            | 63.7 | 71.0 | 71.0 | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6   | 72.6  | 72.6  |
| 16000             |                            | 63.7 | 71.0 | 71.0 | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6   | 72.6  | 72.6  |
| 14000             |                            | 63.7 | 71.0 | 71.0 | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6   | 72.6  | 72.6  |
| 12000             |                            | 63.7 | 71.0 | 71.0 | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6   | 72.6  | 72.6  |
| 10000             |                            | 66.9 | 75.0 | 75.0 | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6   | 76.6  | 76.6  |
| 9000              |                            | 68.6 | 76.6 | 77.4 | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2   | 78.2  | 78.2  |
| 8000              |                            | 70.2 | 79.8 | 80.7 | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5   | 81.5  | 81.5  |
| 7000              |                            | 71.0 | 82.3 | 83.1 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9   | 83.9  | 83.9  |
| 6000              |                            | 71.0 | 82.3 | 83.1 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9   | 83.9  | 83.9  |
| 5000              |                            | 71.0 | 82.3 | 83.1 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9   | 83.9  | 83.9  |
| 4500              |                            | 71.0 | 82.3 | 83.1 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9   | 83.9  | 83.9  |
| 4000              |                            | 71.0 | 82.3 | 83.1 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9   | 83.9  | 83.9  |
| 3500              |                            | 71.8 | 83.1 | 83.9 | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7   | 84.7  | 84.7  |
| 3000              |                            | 75.0 | 86.3 | 87.9 | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7   | 88.7  | 88.7  |
| 2500              |                            | 78.2 | 91.9 | 94.4 | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2   | 95.2  | 95.2  |
| 2000              |                            | 78.2 | 91.9 | 94.4 | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2   | 95.2  | 95.2  |
| 1800              |                            | 78.2 | 91.9 | 94.4 | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2   | 95.2  | 95.2  |
| 1500              |                            | 79.0 | 92.7 | 95.2 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6   | 97.6  | 97.6  |
| 1200              |                            | 79.8 | 93.6 | 96.0 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4   | 98.4  | 98.4  |
| 1000              |                            | 79.8 | 93.6 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  | 99.2  |
| 900               |                            | 79.8 | 93.6 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  | 99.2  |
| 800               |                            | 79.8 | 93.6 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  | 99.2  |
| 700               |                            | 79.8 | 93.6 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  | 99.2  |
| 600               |                            | 79.8 | 93.6 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  | 99.2  |
| 500               |                            | 79.8 | 93.6 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  | 99.2  |
| 400               |                            | 79.8 | 93.6 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 300               |                            | 79.8 | 93.6 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 200               |                            | 79.8 | 93.6 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 100               |                            | 79.8 | 93.6 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 0                 |                            | 79.8 | 93.6 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

4495

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHP

HHP



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NHSD

73-76

YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

04  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
| ≥ 20000           | 50.0                       | 56.9 | 62.9 | 63.7 | 63.7 | 63.7 | 64.5 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3   | 65.3 | 65.3 |
| 18000             | 54.0                       | 65.3 | 69.4 | 70.2 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 | 71.8 |
| 16000             | 54.0                       | 65.3 | 69.4 | 70.2 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 | 71.8 |
| 14000             | 54.0                       | 65.3 | 69.4 | 70.2 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 | 71.8 |
| 12000             | 54.0                       | 65.3 | 69.4 | 70.2 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 | 71.8 |
| 10000             | 55.7                       | 67.7 | 71.6 | 72.6 | 72.6 | 72.6 | 73.4 | 73.4 | 73.4 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2 | 74.2 |
| 9000              | 57.3                       | 69.4 | 73.4 | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8   | 75.8 | 75.8 |
| 8000              | 62.1                       | 79.0 | 79.0 | 79.8 | 79.8 | 79.8 | 80.7 | 80.7 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5   | 81.5 | 81.5 |
| 7000              | 62.1                       | 76.6 | 80.7 | 81.5 | 81.5 | 81.5 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 |
| 6000              | 62.1                       | 76.6 | 80.7 | 81.5 | 81.5 | 81.5 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 |
| 5000              | 62.1                       | 76.6 | 80.7 | 81.5 | 81.5 | 81.5 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 |
| 4500              | 62.1                       | 76.6 | 80.7 | 81.5 | 81.5 | 81.5 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 |
| 4000              | 62.1                       | 76.6 | 80.7 | 81.5 | 81.5 | 81.5 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 |
| 3500              | 62.1                       | 76.6 | 80.7 | 81.5 | 81.5 | 81.5 | 82.3 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 |
| 3000              | 64.5                       | 79.0 | 83.1 | 83.9 | 83.9 | 83.9 | 84.7 | 84.7 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5   | 85.5 | 85.5 |
| 2500              | 66.9                       | 83.9 | 87.9 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 | 91.1 |
| 2000              | 67.7                       | 85.5 | 90.3 | 91.9 | 91.9 | 91.9 | 92.7 | 92.7 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6   | 93.6 | 93.6 |
| 1800              | 67.7                       | 85.5 | 90.3 | 91.9 | 91.9 | 91.9 | 92.7 | 92.7 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6   | 93.6 | 93.6 |
| 1500              | 68.6                       | 87.1 | 92.7 | 94.4 | 94.4 | 94.4 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0   | 96.0 | 96.0 |
| 1200              | 69.4                       | 87.9 | 93.6 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 1000              | 69.4                       | 87.9 | 93.6 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 900               | 69.4                       | 87.9 | 93.6 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 800               | 69.4                       | 87.9 | 93.6 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 700               | 69.4                       | 87.9 | 93.6 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 600               | 69.4                       | 87.9 | 93.6 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 500               | 69.4                       | 87.9 | 93.6 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 400               | 69.4                       | 87.9 | 93.6 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |
| 300               | 70.2                       | 89.5 | 95.2 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 200               | 70.2                       | 89.5 | 95.2 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 100               | 70.2                       | 89.5 | 95.2 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| 0                 | 70.2                       | 89.5 | 95.2 | 96.8 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234 - 18766

## CEILING VERSUS VISIBILITY

13750  
STATION

CHARLESTON, SOUTH CAROLINA NASD

73-70

YEARS

AUG  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (LST)

4493

HHH

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            | 37.1 | 48.4 | 54.0 | 59.7 | 61.3 | 62.9 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7   | 64.5 |
| ≥ 20000           |                            | 39.5 | 54.0 | 59.7 | 65.3 | 66.9 | 68.6 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2   | 71.0 |
| 18000             | AI AI                      | 39.5 | 54.0 | 59.7 | 65.3 | 66.9 | 68.6 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2   | 71.0 |
| 16000             | AI AI                      | 39.5 | 54.0 | 59.7 | 65.3 | 66.9 | 68.6 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2   | 71.0 |
| 14000             | AI AI                      | 39.5 | 54.0 | 59.7 | 65.3 | 66.9 | 68.6 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2   | 71.0 |
| 12000             | AI AI                      | 40.3 | 54.8 | 60.5 | 66.1 | 67.7 | 69.4 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0   | 71.8 |
| 10000             | AI AI                      | 41.1 | 56.5 | 62.2 | 68.6 | 70.2 | 71.8 | 72.6 | 73.4 | 73.4 | 73.4 | 73.4 | 74.2   | 74.2 |
| 9000              | AI AI                      | 41.9 | 57.3 | 63.7 | 69.4 | 71.0 | 73.4 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.8   | 75.8 |
| 8000              | AI AI                      | 46.8 | 62.9 | 71.0 | 76.6 | 78.2 | 80.7 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1 | 83.9   | 83.9 |
| 7000              | AI AI                      | 46.8 | 63.7 | 71.8 | 77.4 | 79.0 | 81.5 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 84.7   | 84.7 |
| 6000              | AI AI                      | 46.8 | 63.7 | 71.8 | 77.4 | 79.0 | 81.5 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 84.7   | 84.7 |
| 5000              | AI AI                      | 46.8 | 63.7 | 71.8 | 77.4 | 79.0 | 81.5 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 84.7   | 84.7 |
| 4500              | AI AI                      | 46.8 | 63.7 | 71.8 | 77.4 | 79.0 | 81.5 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 84.7   | 84.7 |
| 4000              | AI AI                      | 48.4 | 65.3 | 73.4 | 79.0 | 80.7 | 83.1 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 86.3   | 86.3 |
| 3500              | AI AI                      | 48.4 | 65.3 | 73.4 | 79.0 | 80.7 | 83.1 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 86.3   | 86.3 |
| 3000              | AI AI                      | 48.4 | 65.3 | 73.4 | 79.0 | 80.7 | 83.1 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 86.3   | 86.3 |
| 2500              | AI AI                      | 50.0 | 66.9 | 75.0 | 80.7 | 82.3 | 84.7 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.9   | 87.9 |
| 2000              | AI AI                      | 52.4 | 69.4 | 77.4 | 83.1 | 84.7 | 87.1 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 90.3   | 90.3 |
| 1800              | AI AI                      | 52.4 | 69.4 | 77.4 | 83.1 | 84.7 | 87.1 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 90.3   | 90.3 |
| 1500              | AI AI                      | 54.0 | 71.0 | 79.0 | 84.7 | 86.3 | 88.7 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9   | 91.9 |
| 1200              | AI AI                      | 54.0 | 71.0 | 79.0 | 84.7 | 86.3 | 88.7 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9   | 91.9 |
| 1000              | AI AI                      | 54.8 | 71.8 | 79.8 | 85.5 | 87.1 | 89.5 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 | 92.7   | 92.7 |
| 900               | AI AI                      | 54.8 | 71.8 | 79.8 | 85.5 | 87.1 | 89.5 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 | 92.7   | 92.7 |
| 800               | AI AI                      | 54.8 | 72.6 | 80.7 | 86.3 | 87.9 | 91.1 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 94.4   | 94.4 |
| 700               | AI AI                      | 54.8 | 72.6 | 80.7 | 86.3 | 87.9 | 91.1 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 94.4   | 94.4 |
| 600               | AI AI                      | 54.8 | 72.6 | 80.7 | 86.3 | 87.9 | 91.1 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 94.4   | 94.4 |
| 500               | AI AI                      | 54.8 | 72.6 | 81.5 | 87.1 | 88.7 | 91.9 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4 | 95.2   | 95.2 |
| 400               | AI AI                      | 54.8 | 72.6 | 82.3 | 88.7 | 91.1 | 94.4 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 97.6   | 97.6 |
| 300               | AI AI                      | 54.8 | 72.6 | 82.3 | 88.7 | 91.1 | 94.4 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 97.6   | 97.6 |
| 200               | AI AI                      | 54.8 | 72.6 | 82.3 | 88.7 | 91.1 | 94.4 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 97.6   | 97.6 |
| 100               | AI AI                      | 54.8 | 72.6 | 82.3 | 88.7 | 91.1 | 94.4 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 97.6   | 97.6 |
| 0                 | AI AI                      | 54.8 | 72.6 | 82.3 | 88.7 | 91.1 | 94.4 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 97.6   | 97.6 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

# CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NMSE

73-76

YEARS

AUG

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   |
| NO CEILING        |                            | 31.5 | 40.3 | 44.4 | 45.2 | 45.2 | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  |
| ≥ 20000           |                            | 37.1 | 46.8 | 51.6 | 52.4 | 52.4 | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  |
| 18000             |                            | 37.1 | 46.8 | 51.6 | 52.4 | 52.4 | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  |
| 16000             |                            | 37.1 | 46.8 | 51.6 | 52.4 | 52.4 | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  |
| 14000             |                            | 37.9 | 47.6 | 52.4 | 53.2 | 53.2 | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  |
| 12000             |                            | 38.7 | 48.4 | 53.2 | 54.0 | 54.0 | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  | 54.8  |
| 10000             |                            | 39.5 | 49.2 | 54.0 | 54.8 | 54.8 | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  |
| 9000              |                            | 39.5 | 50.0 | 54.8 | 55.7 | 55.7 | 57.3  | 57.3  | 57.3  | 57.3  | 57.3  | 57.3  |
| 8000              |                            | 42.7 | 53.2 | 61.3 | 62.1 | 62.1 | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| 7000              |                            | 42.7 | 54.0 | 62.1 | 62.9 | 62.9 | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  |
| 6000              |                            | 42.7 | 54.0 | 62.1 | 62.9 | 62.9 | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  |
| 5000              |                            | 42.7 | 54.0 | 62.1 | 62.9 | 62.9 | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  |
| 4500              |                            | 42.7 | 54.0 | 62.1 | 62.9 | 62.9 | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  | 64.5  |
| 4000              |                            | 45.2 | 56.5 | 64.5 | 65.3 | 65.3 | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  |
| 3500              |                            | 46.0 | 57.3 | 65.3 | 66.1 | 66.1 | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  |
| 3000              |                            | 47.6 | 60.5 | 68.6 | 69.4 | 69.4 | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| 2500              |                            | 53.2 | 67.7 | 75.8 | 76.6 | 76.6 | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  | 78.2  |
| 2000              |                            | 59.7 | 75.8 | 83.9 | 85.5 | 85.5 | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  |
| 1800              |                            | 59.7 | 75.8 | 83.9 | 85.5 | 85.5 | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  |
| 1500              |                            | 64.5 | 81.5 | 89.5 | 91.1 | 91.1 | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  |
| 1200              |                            | 65.3 | 82.3 | 90.3 | 91.9 | 91.9 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  |
| 1000              |                            | 65.3 | 83.9 | 92.7 | 94.4 | 94.4 | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  |
| 900               |                            | 65.3 | 83.9 | 92.7 | 94.4 | 94.4 | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  |
| 800               |                            | 65.3 | 83.9 | 92.7 | 95.2 | 95.2 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  |
| 700               |                            | 65.3 | 83.9 | 92.7 | 95.2 | 95.2 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  |
| 600               |                            | 66.1 | 84.7 | 93.6 | 96.0 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 500               |                            | 66.1 | 84.7 | 93.6 | 96.0 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 400               |                            | 66.1 | 85.5 | 94.4 | 96.8 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300               |                            | 66.1 | 85.5 | 94.4 | 96.8 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200               |                            | 66.1 | 85.5 | 94.4 | 96.8 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100               |                            | 66.1 | 85.5 | 94.4 | 96.8 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0                 |                            | 66.1 | 85.5 | 94.4 | 96.8 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

HHMM

5703 CEILING VERSUS VISIBILITY JAN 68

HHM

1234-18766

1234-18766



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NASD

73-76

YEARS

AUG  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |       |       |       |       |       |       |       |       |        |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ 5/16 |
| NO CEILING        |                            | 26.6 | 29.0 | 33.1 | 33.1  | 33.1  | 33.1  | 33.1  | 33.1  | 33.1  | 33.1  | 33.1  | 33.1   |
| ≥ 20000           |                            | 32.3 | 36.3 | 41.1 | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9   |
| AI 18000          |                            | 32.3 | 36.3 | 41.1 | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9   |
| AI 16000          |                            | 32.3 | 36.3 | 41.1 | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9   |
| AI 14000          |                            | 32.3 | 36.3 | 41.1 | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9  | 41.9   |
| AI 12000          |                            | 32.3 | 37.1 | 41.9 | 42.7  | 42.7  | 42.7  | 42.7  | 42.7  | 42.7  | 42.7  | 42.7  | 42.7   |
| AI 10000          |                            | 32.3 | 37.9 | 42.7 | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6  | 43.6   |
| AI 9000           |                            | 33.9 | 40.3 | 45.2 | 46.8  | 46.8  | 46.8  | 46.8  | 46.8  | 46.8  | 46.8  | 46.8  | 46.8   |
| AI 8000           |                            | 37.1 | 43.6 | 48.4 | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0   |
| AI 7000           |                            | 37.1 | 43.6 | 48.4 | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0   |
| AI 6000           |                            | 37.1 | 43.6 | 48.4 | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0   |
| AI 5000           |                            | 37.1 | 43.6 | 48.4 | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0   |
| AI 4500           |                            | 37.1 | 43.6 | 48.4 | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0   |
| AI 4000           |                            | 37.1 | 44.4 | 50.0 | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6  | 51.6   |
| AI 3500           |                            | 39.5 | 46.8 | 52.4 | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0  | 54.0   |
| AI 3000           |                            | 48.4 | 55.7 | 61.3 | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9   |
| AI 2500           |                            | 62.9 | 74.2 | 79.8 | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5   |
| AI 2000           |                            | 70.2 | 82.3 | 87.9 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5   |
| AI 1800           |                            | 70.2 | 82.3 | 87.9 | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5   |
| AI 1500           |                            | 75.8 | 83.7 | 95.2 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6   |
| AI 1200           |                            | 76.6 | 89.5 | 96.0 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4   |
| AI 1000           |                            | 76.6 | 89.5 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   |
| AI 900            |                            | 76.6 | 89.5 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   |
| AI 800            |                            | 76.6 | 89.5 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   |
| AI 700            |                            | 76.6 | 89.5 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   |
| AI 600            |                            | 76.6 | 89.5 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   |
| AI 500            |                            | 76.6 | 89.5 | 96.0 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   |
| AI 400            |                            | 77.4 | 90.3 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| AI 300            |                            | 77.4 | 90.3 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| AI 200            |                            | 77.4 | 90.3 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| AI 100            |                            | 77.4 | 90.3 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |
| AI 0              |                            | 77.4 | 90.3 | 96.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

4491

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

HHH

4477

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

HHH



## CEILING VERSUS VISIBILITY

13728  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

AUG  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS (LST.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           |                            | 37.1 | 38.7 | 38.7 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| 18000             |                            | 48.4 | 50.8 | 50.8 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 16000             |                            | 48.4 | 50.8 | 50.8 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 14000             |                            | 48.4 | 50.8 | 50.8 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 12000             |                            | 48.4 | 50.8 | 50.8 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 10000             |                            | 49.2 | 53.2 | 53.2 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| 9000              |                            | 49.2 | 53.2 | 53.2 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| 8000              |                            | 54.8 | 59.7 | 59.7 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| 7000              |                            | 55.7 | 60.5 | 60.5 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| 6000              |                            | 56.5 | 61.3 | 61.3 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| 5000              |                            | 57.3 | 62.1 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 4500              |                            | 57.3 | 62.1 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 4000              |                            | 58.1 | 62.9 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 3500              |                            | 58.9 | 64.5 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 3000              |                            | 62.1 | 68.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 2500              |                            | 70.2 | 78.2 | 83.9 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 2000              |                            | 75.0 | 84.7 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 1800              |                            | 75.0 | 84.7 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 1500              |                            | 77.4 | 87.9 | 93.6 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 1200              |                            | 77.4 | 88.7 | 94.4 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 1000              |                            | 77.4 | 89.5 | 95.2 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 900               |                            | 77.4 | 89.5 | 95.2 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 800               |                            | 77.4 | 89.5 | 95.2 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 700               |                            | 77.4 | 89.5 | 95.2 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 600               |                            | 77.4 | 89.5 | 95.2 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 500               |                            | 77.4 | 89.5 | 95.2 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 400               |                            | 77.4 | 90.3 | 96.0 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 300               |                            | 77.4 | 90.3 | 96.0 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 200               |                            | 77.4 | 90.3 | 96.0 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 100               |                            | 77.4 | 90.3 | 96.0 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 0                 |                            | 77.4 | 90.3 | 96.0 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

## CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA NWSE 73-76 YEARS AUG MONTH

 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

 19  
 HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      | HMM  |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            | 48.4 | 50.8 | 54.8 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7 | 55.7 |
| ≥ 20000           |                            | 59.7 | 63.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6   | 68.6 | 68.6 |
| AI 18000          |                            | 59.7 | 63.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6   | 68.6 | 68.6 |
| AI 16000          |                            | 59.7 | 63.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6   | 68.6 | 68.6 |
| AI 14000          |                            | 59.7 | 63.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6   | 68.6 | 68.6 |
| AI 12000          |                            | 60.5 | 66.1 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 | 71.0 |
| AI 10000          |                            | 62.9 | 69.4 | 73.4 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2 | 74.2 |
| AI 9000           |                            | 62.9 | 69.4 | 73.4 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2 | 74.2 |
| AI 8000           |                            | 66.9 | 73.4 | 79.0 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| AI 7000           |                            | 66.9 | 73.4 | 79.0 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| AI 6000           |                            | 66.9 | 73.4 | 79.0 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| AI 5000           |                            | 66.9 | 73.4 | 79.0 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| AI 4500           |                            | 66.9 | 73.4 | 79.0 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| AI 4000           |                            | 66.9 | 73.4 | 79.0 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8   | 79.8 | 79.8 |
| AI 3500           |                            | 68.6 | 75.0 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5   | 81.5 | 81.5 |
| AI 3000           |                            | 68.6 | 75.0 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5   | 81.5 | 81.5 |
| AI 2500           |                            | 70.2 | 76.6 | 83.9 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5   | 85.5 | 85.5 |
| AI 2000           |                            | 72.6 | 80.7 | 88.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 | 90.3 |
| AI 1800           |                            | 72.6 | 80.7 | 88.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 | 90.3 |
| AI 1500           |                            | 75.0 | 83.1 | 92.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |
| AI 1200           |                            | 75.0 | 83.1 | 92.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |
| AI 1000           |                            | 75.0 | 84.7 | 94.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 |
| AI 900            |                            | 75.0 | 84.7 | 94.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 |
| AI 800            |                            | 75.0 | 84.7 | 94.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 |
| AI 700            |                            | 75.0 | 84.7 | 94.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 |
| AI 600            |                            | 75.0 | 84.7 | 94.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 |
| AI 500            |                            | 75.0 | 84.7 | 94.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 |
| AI 400            |                            | 75.0 | 85.5 | 95.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| AI 300            |                            | 75.0 | 85.5 | 95.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| AI 200            |                            | 75.0 | 85.5 | 95.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| AI 100            |                            | 75.0 | 85.5 | 95.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |
| AI 0              |                            | 75.0 | 85.5 | 95.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13753  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

AUG  
MONTH

22

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      | TOTAL NUMBER OF OBSERVATIONS |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------------------------------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0                          |
| NO CEILING        |                            | 46.0 | 53.2 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7 | 55.7                         |
| ≥ 20000           |                            | 54.0 | 64.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   | 67.7 | 67.7                         |
| 18000             |                            | 54.0 | 64.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   | 67.7 | 67.7                         |
| 15000             |                            | 54.0 | 64.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   | 67.7 | 67.7                         |
| 14000             |                            | 54.0 | 64.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   | 67.7 | 67.7                         |
| 12000             |                            | 54.0 | 64.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7   | 67.7 | 67.7                         |
| 10000             |                            | 57.3 | 69.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6   | 72.6 | 72.6                         |
| 9000              |                            | 58.1 | 70.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4   | 73.4 | 73.4                         |
| 8000              |                            | 65.3 | 78.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3   | 82.3 | 82.3                         |
| 7000              |                            | 65.3 | 79.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1                         |
| 6000              |                            | 65.3 | 79.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1                         |
| 5000              |                            | 65.3 | 79.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1                         |
| 4500              |                            | 65.3 | 79.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1                         |
| 4000              |                            | 65.3 | 79.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1                         |
| 3500              |                            | 66.9 | 81.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5   | 85.5 | 85.5                         |
| 3000              |                            | 67.7 | 82.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 | 87.1                         |
| 2500              |                            | 70.2 | 85.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 | 91.1                         |
| 2000              |                            | 71.0 | 87.1 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7   | 92.7 | 92.7                         |
| 1800              |                            | 71.0 | 87.1 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7   | 92.7 | 92.7                         |
| 1500              |                            | 72.6 | 88.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2                         |
| 1200              |                            | 72.6 | 88.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2                         |
| 1000              |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 900               |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 800               |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 700               |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 600               |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 500               |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 400               |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 300               |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 200               |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 100               |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |
| 0                 |                            | 72.6 | 90.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6                         |

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

NNNN

124

TOTAL NUMBER OF OBSERVATIONS



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

AUG  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  |
| NO CEILING        |                            | 41.7 | 48.0 | 50.9 | 52.1 | 52.3 | 52.7 | 52.8 | 52.8 | 52.9 | 52.9 | 52.9 | 53.0 |
| ≥ 20000           |                            | 48.6 | 56.6 | 60.0 | 61.3 | 61.5 | 61.9 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.3 |
| 18000             |                            | 48.6 | 56.6 | 60.0 | 61.3 | 61.5 | 61.9 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.3 |
| 16000             |                            | 48.6 | 56.6 | 60.0 | 61.3 | 61.5 | 61.9 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.3 |
| 14000             |                            | 48.7 | 56.7 | 60.1 | 61.4 | 61.6 | 62.0 | 62.1 | 62.1 | 62.3 | 62.3 | 62.3 | 62.4 |
| 12000             |                            | 49.1 | 57.4 | 60.3 | 62.1 | 62.3 | 62.7 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.1 |
| 10000             |                            | 50.6 | 59.0 | 63.3 | 64.6 | 64.8 | 65.3 | 65.4 | 65.4 | 65.6 | 65.6 | 65.6 | 65.7 |
| 9000              |                            | 51.4 | 60.8 | 64.3 | 65.7 | 65.9 | 66.5 | 66.6 | 66.6 | 66.8 | 66.8 | 66.8 | 66.9 |
| 8000              |                            | 55.8 | 65.7 | 70.2 | 71.6 | 72.4 | 72.4 | 72.6 | 72.6 | 72.8 | 72.8 | 72.8 | 72.9 |
| 7000              |                            | 56.0 | 66.6 | 71.1 | 72.5 | 72.7 | 73.3 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.8 |
| 6000              |                            | 56.1 | 66.7 | 71.2 | 72.6 | 72.8 | 73.4 | 73.6 | 73.6 | 73.8 | 73.8 | 73.8 | 73.9 |
| 5000              |                            | 56.2 | 66.8 | 71.3 | 72.7 | 72.9 | 73.5 | 73.7 | 73.7 | 73.9 | 73.9 | 73.9 | 74.0 |
| 4500              |                            | 56.2 | 66.8 | 71.3 | 72.7 | 72.9 | 73.5 | 73.7 | 73.7 | 73.9 | 73.9 | 73.9 | 74.0 |
| 4000              |                            | 56.8 | 67.5 | 72.3 | 73.7 | 73.9 | 74.5 | 74.7 | 74.7 | 74.9 | 74.9 | 74.9 | 75.0 |
| 3500              |                            | 57.8 | 68.6 | 73.6 | 75.0 | 75.2 | 75.8 | 76.0 | 76.0 | 76.2 | 76.2 | 76.2 | 76.3 |
| 3000              |                            | 60.3 | 71.6 | 76.6 | 78.0 | 78.2 | 78.8 | 79.0 | 79.0 | 79.2 | 79.2 | 79.2 | 79.3 |
| 2500              |                            | 65.2 | 78.1 | 84.0 | 85.6 | 85.8 | 86.4 | 86.6 | 86.6 | 86.8 | 86.8 | 86.8 | 86.9 |
| 2000              |                            | 68.4 | 82.2 | 88.2 | 89.9 | 90.2 | 91.0 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.5 |
| 1800              |                            | 68.4 | 82.2 | 88.2 | 89.9 | 90.2 | 91.0 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.5 |
| 1500              |                            | 70.9 | 85.1 | 91.5 | 93.9 | 94.2 | 95.1 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.7 |
| 1200              |                            | 71.3 | 85.6 | 92.2 | 94.5 | 94.8 | 95.7 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.3 |
| 1000              |                            | 71.4 | 86.4 | 93.3 | 95.7 | 96.0 | 96.9 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 |
| 900               |                            | 71.4 | 86.4 | 93.3 | 95.7 | 96.0 | 96.9 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 |
| 800               |                            | 71.4 | 86.6 | 93.5 | 96.0 | 96.3 | 97.3 | 97.6 | 97.6 | 97.9 | 97.9 | 97.9 | 98.0 |
| 700               |                            | 71.4 | 86.6 | 93.5 | 96.0 | 96.3 | 97.3 | 97.6 | 97.6 | 97.9 | 97.9 | 97.9 | 98.0 |
| 600               |                            | 71.5 | 86.7 | 93.6 | 96.1 | 96.5 | 97.5 | 97.8 | 97.8 | 98.2 | 98.2 | 98.2 | 98.3 |
| 500               |                            | 71.5 | 86.7 | 93.7 | 96.2 | 96.6 | 97.6 | 97.9 | 97.9 | 98.3 | 98.3 | 98.3 | 98.4 |
| 400               |                            | 71.6 | 87.1 | 94.4 | 97.0 | 97.5 | 98.5 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.3 |
| 300               |                            | 71.7 | 87.2 | 94.5 | 97.1 | 97.6 | 98.6 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.4 |
| 200               |                            | 71.7 | 87.2 | 94.5 | 97.1 | 97.6 | 98.6 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.4 |
| 100               |                            | 71.7 | 87.2 | 94.5 | 97.1 | 97.6 | 98.6 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.4 |
| 0                 |                            | 71.7 | 87.2 | 94.5 | 97.1 | 97.6 | 98.6 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS

992

NAVWEASERVCOM

4487

1234 - 18766

HHH

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

4473

1234 - 18766

HHH

5703 CEILING VERSUS VISIBILITY JAN 68

HHH



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

SEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (LST.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        | 52.5                       | 58.3 | 60.8 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| ≥ 20000           | 59.2                       | 65.0 | 68.3 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 18000           | 59.2                       | 65.0 | 68.3 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 16000           | 59.2                       | 65.0 | 68.3 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 14000           | 59.2                       | 65.0 | 68.3 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 12000           | 59.2                       | 65.0 | 68.3 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 10000           | 52.5                       | 68.3 | 71.7 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| ≥ 9000            | 62.5                       | 68.3 | 71.7 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| 8000              | 68.3                       | 76.7 | 80.8 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 7000              | 68.3                       | 77.5 | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 6000              | 68.3                       | 77.5 | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 5000              | 68.3                       | 77.5 | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 4500              | 68.3                       | 77.5 | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 4000              | 69.2                       | 79.2 | 83.3 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 3500              | 70.0                       | 80.0 | 84.2 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| 3000              | 70.0                       | 80.0 | 85.0 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 2500              | 74.2                       | 85.0 | 91.7 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 2000              | 75.0                       | 86.7 | 93.3 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 1800              | 75.0                       | 86.7 | 93.3 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 1500              | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 1200              | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 1000              | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 900               | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 800               | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 700               | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 600               | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 500               | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 400               | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 300               | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 200               | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 100               | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 0                 | 76.7                       | 88.3 | 95.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

## CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA NWSE 73-76 YEARS SEP MONTH 04 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        | 44.2                       | 50.0 | 54.2 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| ≥ 20000           | 50.8                       | 57.5 | 61.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 18000             | 50.8                       | 57.5 | 61.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 16000             | 50.8                       | 57.5 | 61.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 14000             | 50.8                       | 57.5 | 61.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 12000             | 52.5                       | 59.2 | 63.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| 10000             | 56.7                       | 63.3 | 68.3 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| 9000              | 56.7                       | 63.3 | 68.3 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| 8000              | 56.7                       | 66.7 | 72.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 7000              | 57.5                       | 67.5 | 74.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 6000              | 57.5                       | 67.5 | 74.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 5000              | 57.5                       | 67.5 | 74.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 4500              | 57.5                       | 67.5 | 74.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 4000              | 58.3                       | 68.3 | 75.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 3500              | 59.2                       | 69.2 | 75.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 3000              | 59.2                       | 69.2 | 75.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 2500              | 62.5                       | 74.2 | 82.5 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 2000              | 65.0                       | 77.5 | 85.8 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 1800              | 65.0                       | 77.5 | 85.8 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 1500              | 65.0                       | 77.5 | 85.8 | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 1200              | 66.7                       | 80.0 | 88.3 | 94.2 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 1000              | 67.5                       | 80.8 | 90.0 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 900               | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 800               | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 700               | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 600               | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 500               | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 400               | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 300               | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 200               | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 100               | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 0                 | 67.5                       | 81.7 | 90.8 | 96.7 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |

TOTAL NUMBER OF OBSERVATIONS 120

NAVWEASERVCOM

4485

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHP

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSB

73-75

YEARS

SEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           | 18.3                       | 28.3 | 36.7 | 40.8 | 45.8 | 46.7 | 47.5 | 47.5 | 47.5 | 49.2 | 49.2 |
| ≥ 18000           | 23.3                       | 34.2 | 44.2 | 48.3 | 54.2 | 55.0 | 55.8 | 55.8 | 55.8 | 57.5 | 57.5 |
| ≥ 16000           | 23.3                       | 34.2 | 44.2 | 48.3 | 54.2 | 55.0 | 55.8 | 55.8 | 55.8 | 57.5 | 57.5 |
| ≥ 14000           | 23.3                       | 34.2 | 44.2 | 48.3 | 54.2 | 55.0 | 55.8 | 55.8 | 55.8 | 57.5 | 57.5 |
| ≥ 12000           | 24.2                       | 35.0 | 45.8 | 50.0 | 55.8 | 56.7 | 57.5 | 57.5 | 57.5 | 59.2 | 59.2 |
| ≥ 10000           | 24.2                       | 35.8 | 46.7 | 52.5 | 58.3 | 59.2 | 60.0 | 60.0 | 60.0 | 61.7 | 61.7 |
| ≥ 9000            | 24.2                       | 35.8 | 46.7 | 52.5 | 58.3 | 59.2 | 60.0 | 60.0 | 60.0 | 61.7 | 61.7 |
| ≥ 8000            | 30.0                       | 42.5 | 55.8 | 62.5 | 68.3 | 69.2 | 70.0 | 70.0 | 70.0 | 71.7 | 71.7 |
| ≥ 7000            | 30.8                       | 43.3 | 56.7 | 64.2 | 70.0 | 70.8 | 71.7 | 71.7 | 71.7 | 73.3 | 73.3 |
| ≥ 6000            | 30.8                       | 43.3 | 56.7 | 64.2 | 70.0 | 70.8 | 71.7 | 71.7 | 71.7 | 73.3 | 73.3 |
| ≥ 5000            | 30.8                       | 43.3 | 56.7 | 64.2 | 70.0 | 70.8 | 71.7 | 71.7 | 71.7 | 73.3 | 73.3 |
| ≥ 4500            | 30.8                       | 43.3 | 57.5 | 65.0 | 70.8 | 71.7 | 72.5 | 72.5 | 72.5 | 74.2 | 74.2 |
| ≥ 4000            | 30.8                       | 43.3 | 58.3 | 65.8 | 72.5 | 73.3 | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 |
| ≥ 3500            | 30.8                       | 43.3 | 59.2 | 66.7 | 73.3 | 74.2 | 75.0 | 75.0 | 75.0 | 76.7 | 76.7 |
| ≥ 3000            | 32.5                       | 45.0 | 61.7 | 69.2 | 75.8 | 76.7 | 77.5 | 77.5 | 77.5 | 79.2 | 79.2 |
| ≥ 2500            | 37.5                       | 52.5 | 69.2 | 76.7 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 | 87.5 | 87.5 |
| ≥ 2000            | 37.5                       | 52.5 | 69.2 | 79.2 | 86.7 | 87.5 | 88.3 | 88.3 | 88.3 | 90.0 | 90.0 |
| ≥ 1800            | 37.5                       | 52.5 | 69.2 | 79.2 | 86.7 | 87.5 | 88.3 | 88.3 | 88.3 | 90.0 | 90.0 |
| ≥ 1500            | 37.5                       | 52.5 | 69.2 | 80.0 | 88.3 | 90.0 | 90.8 | 90.8 | 90.8 | 92.5 | 92.5 |
| ≥ 1200            | 37.5                       | 52.5 | 69.2 | 80.0 | 88.3 | 90.8 | 91.7 | 91.7 | 91.7 | 93.3 | 93.3 |
| ≥ 1000            | 37.5                       | 52.5 | 69.2 | 80.0 | 89.2 | 91.7 | 92.5 | 92.5 | 92.5 | 94.2 | 94.2 |
| ≥ 900             | 37.5                       | 52.5 | 69.2 | 80.0 | 89.2 | 91.7 | 92.5 | 92.5 | 92.5 | 94.2 | 94.2 |
| ≥ 800             | 37.5                       | 52.5 | 70.0 | 80.8 | 90.0 | 92.5 | 93.3 | 93.3 | 93.3 | 95.0 | 95.0 |
| ≥ 700             | 37.5                       | 52.5 | 70.0 | 80.8 | 90.0 | 92.5 | 93.3 | 93.3 | 93.3 | 95.0 | 95.0 |
| ≥ 600             | 37.5                       | 52.5 | 70.0 | 80.8 | 90.0 | 94.2 | 95.0 | 95.0 | 95.0 | 96.7 | 96.7 |
| ≥ 500             | 37.5                       | 53.3 | 70.8 | 81.7 | 90.8 | 95.0 | 95.8 | 95.8 | 95.8 | 97.5 | 97.5 |
| ≥ 400             | 38.3                       | 54.2 | 71.7 | 82.5 | 91.7 | 95.8 | 96.7 | 96.7 | 96.7 | 98.3 | 98.3 |
| ≥ 300             | 38.3                       | 54.2 | 71.7 | 82.5 | 91.7 | 95.8 | 96.7 | 96.7 | 96.7 | 98.3 | 98.3 |
| ≥ 200             | 38.3                       | 54.2 | 71.7 | 82.5 | 91.7 | 95.8 | 96.7 | 96.7 | 96.7 | 98.3 | 98.3 |
| ≥ 100             | 38.3                       | 54.2 | 71.7 | 82.5 | 91.7 | 95.8 | 96.7 | 96.7 | 96.7 | 98.3 | 98.3 |
| 0                 | 38.3                       | 54.2 | 71.7 | 82.5 | 91.7 | 95.8 | 96.7 | 96.7 | 96.7 | 98.3 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NASD

73-75

YEARS

SEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |       |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   |
| NO CEILING        |                            |      |      |      |      |       |       |       |       |       |       |       |
| ≥ 20000           |                            | 25.3 | 35.0 | 40.8 | 41.7 | 41.7  | 41.7  | 41.7  | 41.7  | 41.7  | 41.7  | 41.7  |
| ≥ 18000           |                            | 35.8 | 45.0 | 50.8 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  |
| ≥ 16000           |                            | 35.8 | 45.0 | 50.8 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  |
| ≥ 14000           |                            | 35.8 | 45.0 | 50.8 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  |
| ≥ 12000           |                            | 35.8 | 45.0 | 50.8 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  |
| ≥ 10000           |                            | 36.7 | 46.7 | 54.2 | 56.7 | 56.7  | 56.7  | 56.7  | 56.7  | 56.7  | 56.7  | 56.7  |
| ≥ 9000            |                            | 38.3 | 48.3 | 55.8 | 58.3 | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  | 58.3  |
| ≥ 8000            |                            | 43.3 | 54.2 | 63.3 | 65.8 | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  |
| ≥ 7000            |                            | 43.3 | 54.2 | 63.3 | 65.8 | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  |
| ≥ 6000            |                            | 43.3 | 54.2 | 63.3 | 65.8 | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  |
| ≥ 5000            |                            | 43.3 | 54.2 | 63.3 | 65.8 | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  |
| ≥ 4500            |                            | 44.2 | 55.0 | 64.2 | 66.7 | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  |
| ≥ 4000            |                            | 44.2 | 55.0 | 64.2 | 66.7 | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  |
| ≥ 3500            |                            | 46.7 | 57.5 | 67.5 | 70.0 | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  |
| ≥ 3000            |                            | 51.7 | 66.7 | 77.5 | 80.8 | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  |
| ≥ 2500            |                            | 53.3 | 70.0 | 81.7 | 87.5 | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  |
| ≥ 2000            |                            | 53.3 | 70.0 | 81.7 | 87.5 | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  |
| ≥ 1800            |                            | 55.8 | 74.2 | 86.7 | 92.5 | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  |
| ≥ 1500            |                            | 55.8 | 74.2 | 86.7 | 92.5 | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  |
| ≥ 1200            |                            | 55.8 | 74.2 | 86.7 | 92.5 | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  |
| ≥ 1000            |                            | 56.7 | 75.0 | 88.3 | 94.2 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| ≥ 900             |                            | 56.7 | 75.0 | 88.3 | 94.2 | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| ≥ 800             |                            | 57.5 | 76.7 | 90.8 | 96.7 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| ≥ 700             |                            | 57.5 | 76.7 | 90.8 | 96.7 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| ≥ 600             |                            | 57.5 | 76.7 | 90.8 | 96.7 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| ≥ 500             |                            | 58.3 | 77.5 | 91.7 | 97.5 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 400             |                            | 58.3 | 77.5 | 91.7 | 97.5 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| ≥ 300             |                            | 58.3 | 77.5 | 91.7 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200             |                            | 58.3 | 77.5 | 91.7 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100             |                            | 58.3 | 77.5 | 91.7 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0               |                            | 58.3 | 77.5 | 91.7 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

4483

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNN

NNN



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NASD

73-76

YEARS

SEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           | 25.0                       | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 |
| ≥ 18000           | 33.3                       | 36.7 | 37.5 | 37.5 | 37.5 | 37.5 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| ≥ 16000           | 33.3                       | 36.7 | 37.5 | 37.5 | 37.5 | 37.5 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| ≥ 14000           | 33.3                       | 36.7 | 37.5 | 37.5 | 37.5 | 37.5 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| ≥ 12000           | 34.2                       | 38.3 | 40.0 | 40.0 | 40.0 | 40.0 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| ≥ 10000           | 35.8                       | 40.0 | 41.7 | 41.7 | 41.7 | 41.7 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| ≥ 9000            | 36.7                       | 40.8 | 42.5 | 42.5 | 42.5 | 42.5 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 8000            | 40.8                       | 45.8 | 47.5 | 47.5 | 47.5 | 47.5 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| ≥ 7000            | 41.7                       | 47.5 | 49.2 | 49.2 | 49.2 | 49.2 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| ≥ 6000            | 41.7                       | 47.5 | 49.2 | 49.2 | 49.2 | 49.2 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| ≥ 5000            | 42.5                       | 48.3 | 50.0 | 50.0 | 50.0 | 50.0 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| ≥ 4500            | 42.5                       | 48.3 | 50.0 | 50.0 | 50.0 | 50.0 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| ≥ 4000            | 42.5                       | 48.3 | 50.0 | 50.0 | 50.0 | 50.0 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| ≥ 3500            | 43.3                       | 50.8 | 53.3 | 53.3 | 53.3 | 53.3 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 3000            | 47.5                       | 56.7 | 59.2 | 59.2 | 59.2 | 59.2 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 2500            | 62.5                       | 75.0 | 79.2 | 79.2 | 79.2 | 79.2 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| ≥ 2000            | 68.3                       | 82.5 | 87.5 | 87.5 | 88.3 | 88.3 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 1800            | 68.3                       | 82.5 | 87.5 | 87.5 | 88.3 | 88.3 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 1500            | 71.7                       | 88.3 | 93.3 | 93.3 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 1200            | 72.5                       | 89.2 | 94.2 | 94.2 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 1000            | 73.3                       | 90.0 | 95.0 | 95.0 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 900             | 73.3                       | 90.0 | 95.0 | 95.0 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 800             | 73.3                       | 90.0 | 95.0 | 95.0 | 96.7 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 700             | 73.3                       | 90.0 | 95.0 | 95.0 | 96.7 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 600             | 74.2                       | 90.8 | 95.8 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 500             | 74.2                       | 90.8 | 95.8 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 400             | 74.2                       | 90.8 | 95.8 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 300             | 74.2                       | 90.8 | 95.8 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 200             | 74.2                       | 90.8 | 95.8 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 100             | 74.2                       | 90.8 | 95.8 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 0               | 74.2                       | 90.8 | 95.8 | 95.8 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

14758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-75

YEARS

SEP  
MONTH16  
HOURS (LST)

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           |                            | 32.5 | 35.8 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7   | 36.7 |
| 18000             |                            | 43.3 | 46.7 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5   | 47.5 |
| 16000             |                            | 43.3 | 46.7 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5   | 47.5 |
| 14000             |                            | 43.3 | 46.7 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5   | 47.5 |
| 12000             |                            | 43.3 | 46.7 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5   | 47.5 |
| 10000             |                            | 45.8 | 49.2 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0   | 50.0 |
| 8000              |                            | 50.0 | 53.3 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0   | 55.0 |
| 6000              |                            | 50.0 | 53.3 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0   | 55.0 |
| 4000              |                            | 55.8 | 59.2 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8   | 60.8 |
| 3000              |                            | 55.8 | 59.2 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8   | 60.8 |
| 2500              |                            | 55.8 | 59.2 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8   | 60.8 |
| 2000              |                            | 56.7 | 60.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7   | 61.7 |
| 1800              |                            | 56.7 | 60.0 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7   | 61.7 |
| 1500              |                            | 57.5 | 60.8 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5   | 62.5 |
| 1200              |                            | 58.3 | 64.2 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7   | 66.7 |
| 1000              |                            | 58.3 | 64.2 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7   | 66.7 |
| 900               |                            | 62.5 | 69.2 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7   | 71.7 |
| 800               |                            | 70.0 | 80.8 | 84.2 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8   | 85.8 |
| 700               |                            | 73.3 | 85.8 | 90.0 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 600               |                            | 73.3 | 85.8 | 90.0 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 500               |                            | 76.7 | 89.2 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 |
| 400               |                            | 77.5 | 90.0 | 94.2 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8   | 95.8 |
| 300               |                            | 77.5 | 90.0 | 94.2 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8   | 95.8 |
| 200               |                            | 77.5 | 90.0 | 94.2 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8   | 95.8 |
| 100               |                            | 77.5 | 90.0 | 94.2 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8   | 95.8 |
| 0                 |                            | 78.3 | 90.8 | 95.0 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |
|                   |                            | 78.3 | 90.8 | 95.0 | 97.5 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2   | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA, NWS

73-76

YEARS

SEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)19  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |       |       |       |       |       |       |
|-------------------|----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   |
| NO CEILING        |                            | 34.2 | 42.5 | 43.3 | 43.3 | 43.3  | 43.3  | 43.3  | 43.3  | 43.3  | 43.3  |
| ≥ 20000           |                            | 49.2 | 59.2 | 60.0 | 60.8 | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  |
| 18000             |                            | 49.2 | 59.2 | 60.0 | 60.8 | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  |
| 16000             |                            | 49.2 | 59.2 | 60.0 | 60.8 | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  |
| 14000             |                            | 49.2 | 59.2 | 60.0 | 60.8 | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  |
| 12000             |                            | 49.2 | 59.2 | 60.0 | 60.8 | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  | 60.8  |
| 10000             |                            | 53.3 | 64.2 | 65.0 | 66.7 | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  |
| 9000              |                            | 53.3 | 64.2 | 65.0 | 66.7 | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  | 66.7  |
| 8000              |                            | 58.3 | 70.8 | 72.5 | 74.2 | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  |
| 7000              |                            | 60.0 | 72.5 | 74.2 | 75.8 | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  |
| 6000              |                            | 60.0 | 72.5 | 74.2 | 75.8 | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  | 75.8  |
| 5000              |                            | 60.8 | 74.2 | 75.8 | 77.5 | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  |
| 4500              |                            | 60.8 | 74.2 | 75.8 | 77.5 | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  |
| 4000              |                            | 60.8 | 75.0 | 76.7 | 78.3 | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  |
| 3500              |                            | 60.8 | 75.0 | 76.7 | 78.3 | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  |
| 3000              |                            | 61.7 | 76.7 | 78.3 | 80.8 | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  | 80.8  |
| 2500              |                            | 68.3 | 83.3 | 85.0 | 87.5 | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  |
| 2000              |                            | 70.8 | 85.8 | 89.2 | 91.7 | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  |
| 1800              |                            | 70.8 | 85.8 | 89.2 | 91.7 | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  | 91.7  |
| 1500              |                            | 72.5 | 87.5 | 93.3 | 95.8 | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  |
| 1200              |                            | 74.2 | 89.2 | 95.0 | 97.5 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| 1000              |                            | 74.2 | 89.2 | 95.0 | 97.5 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 900               |                            | 74.2 | 89.2 | 95.0 | 97.5 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 800               |                            | 74.2 | 89.2 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 700               |                            | 74.2 | 89.2 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 600               |                            | 74.2 | 89.2 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500               |                            | 74.2 | 89.2 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400               |                            | 74.2 | 89.2 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300               |                            | 74.2 | 89.2 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200               |                            | 74.2 | 89.2 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100               |                            | 74.2 | 89.2 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0                 |                            | 74.2 | 89.2 | 95.0 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

5703 CEILING VERSUS VISIBILITY JAN 68



2

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

SEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (LST)

4479

MMH

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

MMH

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |       |       |       |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1   | ≥ ¾   | ≥ 0   |
| NO CEILING        |                            | 44.2 | 50.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7  | 51.7  | 51.7  |
| ≥ 20000           |                            | 56.7 | 63.3 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0  | 65.0  | 65.0  |
| ≥ 18000           |                            | 56.7 | 63.3 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0  | 65.0  | 65.0  |
| ≥ 16000           |                            | 56.7 | 63.3 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0  | 65.0  | 65.0  |
| ≥ 14000           |                            | 56.7 | 63.3 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0  | 65.0  | 65.0  |
| ≥ 12000           |                            | 56.7 | 63.3 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0  | 65.0  | 65.0  |
| ≥ 10000           |                            | 60.8 | 67.5 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0  | 70.0  | 70.0  |
| ≥ 9000            |                            | 60.8 | 67.5 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0  | 70.0  | 70.0  |
| ≥ 8000            |                            | 68.3 | 78.3 | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 82.5  | 82.5  |
| ≥ 7000            |                            | 68.3 | 79.2 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3  | 83.3  | 83.3  |
| ≥ 6000            |                            | 68.3 | 79.2 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3  | 83.3  | 83.3  |
| ≥ 5000            |                            | 68.3 | 79.2 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3  | 83.3  | 83.3  |
| ≥ 4500            |                            | 68.3 | 79.2 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3  | 83.3  | 83.3  |
| ≥ 4000            |                            | 68.3 | 80.0 | 83.3 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2  | 84.2  | 84.2  |
| ≥ 3500            |                            | 68.3 | 80.0 | 83.3 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2  | 84.2  | 84.2  |
| ≥ 3000            |                            | 69.2 | 81.7 | 85.0 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8  | 85.8  | 85.8  |
| ≥ 2500            |                            | 70.8 | 85.0 | 88.3 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2  | 89.2  | 89.2  |
| ≥ 2000            |                            | 73.3 | 87.5 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7  | 91.7  | 91.7  |
| ≥ 1800            |                            | 73.3 | 87.5 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7  | 91.7  | 91.7  |
| ≥ 1500            |                            | 75.0 | 90.0 | 95.0 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7  | 96.7  | 96.7  |
| ≥ 1200            |                            | 75.0 | 90.0 | 95.8 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 98.3  | 98.3  | 98.3  |
| ≥ 1000            |                            | 75.0 | 90.0 | 95.8 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 99.2  | 99.2  | 99.2  |
| ≥ 900             |                            | 75.0 | 90.0 | 95.8 | 97.5 | 98.3 | 98.3 | 98.3 | 98.3 | 99.2  | 99.2  | 99.2  |
| ≥ 800             |                            | 75.0 | 90.0 | 95.8 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| ≥ 700             |                            | 75.0 | 90.0 | 95.8 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| ≥ 600             |                            | 75.0 | 90.0 | 95.8 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| ≥ 500             |                            | 75.0 | 90.0 | 95.8 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| ≥ 400             |                            | 75.0 | 90.0 | 95.8 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| ≥ 300             |                            | 75.0 | 90.0 | 95.8 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| ≥ 200             |                            | 75.0 | 90.0 | 95.8 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| ≥ 100             |                            | 75.0 | 90.0 | 95.8 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |
| ≥ 0               |                            | 75.0 | 90.0 | 95.8 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

4465

MMH

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

MMH



## CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA NWSE 73-76 YEARS SEP MONTH ALL HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      | HMM  |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
| ≥ 20000           | 34.9                       | 41.0 | 44.1 | 45.2 | 45.8 | 45.9 | 46.0 | 46.0 | 46.0 | 46.0 | 46.3 | 46.3 | 46.3   | 46.3 | 46.3 |
| ≥ 18000           | 44.0                       | 50.9 | 54.4 | 55.8 | 56.6 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1   | 57.1 | 57.1 |
| ≥ 16000           | 44.0                       | 50.9 | 54.4 | 55.8 | 56.6 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1   | 57.1 | 57.1 |
| ≥ 14000           | 44.0                       | 50.9 | 54.4 | 55.8 | 56.6 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1   | 57.1 | 57.1 |
| ≥ 12000           | 44.7                       | 51.9 | 55.4 | 56.9 | 57.6 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1   | 58.1 | 58.1 |
| ≥ 10000           | 47.5                       | 54.9 | 59.1 | 60.8 | 61.6 | 61.8 | 61.9 | 61.9 | 61.9 | 62.1 | 62.1 | 62.2 | 62.2   | 62.2 | 62.2 |
| ≥ 9000            | 47.8                       | 55.2 | 59.4 | 61.2 | 61.9 | 62.1 | 62.2 | 62.2 | 62.2 | 62.4 | 62.4 | 62.5 | 62.5   | 62.5 | 62.5 |
| ≥ 8000            | 52.7                       | 61.8 | 66.9 | 69.0 | 69.7 | 69.9 | 70.0 | 70.0 | 70.0 | 70.2 | 70.2 | 70.3 | 70.3   | 70.3 | 70.3 |
| ≥ 7000            | 53.2                       | 62.6 | 67.6 | 70.0 | 70.7 | 70.9 | 71.0 | 71.0 | 71.0 | 71.3 | 71.3 | 71.4 | 71.4   | 71.4 | 71.4 |
| ≥ 6000            | 53.2                       | 62.6 | 67.6 | 70.0 | 70.7 | 70.9 | 71.0 | 71.0 | 71.0 | 71.3 | 71.3 | 71.4 | 71.4   | 71.4 | 71.4 |
| ≥ 5000            | 53.5                       | 63.0 | 68.2 | 70.5 | 71.3 | 71.5 | 71.6 | 71.6 | 71.6 | 71.8 | 71.8 | 71.9 | 71.9   | 71.9 | 71.9 |
| ≥ 4500            | 53.5                       | 63.0 | 68.2 | 70.5 | 71.3 | 71.5 | 71.6 | 71.6 | 71.6 | 71.8 | 71.8 | 71.9 | 71.9   | 71.9 | 71.9 |
| ≥ 4000            | 54.0                       | 63.8 | 69.2 | 71.5 | 72.3 | 72.5 | 72.6 | 72.6 | 72.6 | 72.8 | 72.8 | 72.9 | 72.9   | 72.9 | 72.9 |
| ≥ 3500            | 54.4                       | 64.7 | 70.4 | 72.7 | 73.5 | 73.8 | 73.9 | 73.9 | 73.9 | 74.1 | 74.1 | 74.2 | 74.2   | 74.2 | 74.2 |
| ≥ 3000            | 56.2                       | 67.0 | 73.0 | 75.5 | 76.5 | 76.7 | 76.8 | 76.8 | 76.8 | 77.0 | 77.0 | 77.1 | 77.1   | 77.1 | 77.1 |
| ≥ 2500            | 62.2                       | 75.3 | 82.2 | 85.1 | 86.2 | 86.4 | 86.5 | 86.5 | 86.5 | 86.7 | 86.7 | 86.8 | 86.8   | 86.8 | 86.8 |
| ≥ 2000            | 64.6                       | 78.5 | 85.9 | 89.7 | 90.8 | 91.0 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4 | 91.5 | 91.5   | 91.5 | 91.5 |
| ≥ 1800            | 64.6                       | 78.5 | 85.9 | 89.7 | 90.8 | 91.0 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4 | 91.5 | 91.5   | 91.5 | 91.5 |
| ≥ 1500            | 66.6                       | 81.3 | 89.4 | 93.3 | 94.7 | 95.1 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.5 | 95.5   | 95.5 | 95.5 |
| ≥ 1200            | 67.1                       | 81.8 | 90.1 | 94.1 | 95.4 | 95.9 | 96.0 | 96.0 | 96.0 | 96.2 | 96.4 | 96.5 | 96.5   | 96.5 | 96.5 |
| ≥ 1000            | 67.3                       | 82.1 | 90.4 | 94.5 | 96.3 | 96.6 | 96.9 | 96.9 | 96.9 | 97.0 | 97.2 | 97.3 | 97.3   | 97.3 | 97.3 |
| ≥ 900             | 67.3                       | 82.1 | 90.5 | 94.5 | 96.3 | 96.6 | 96.9 | 96.9 | 96.9 | 97.0 | 97.2 | 97.3 | 97.3   | 97.3 | 97.3 |
| ≥ 800             | 67.4                       | 82.3 | 90.9 | 95.4 | 97.5 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.5 | 98.7 | 98.7   | 98.7 | 98.7 |
| ≥ 700             | 67.4                       | 82.3 | 90.9 | 95.4 | 97.5 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.5 | 98.7 | 98.7   | 98.7 | 98.7 |
| ≥ 600             | 67.6                       | 82.5 | 91.2 | 95.6 | 97.7 | 98.5 | 98.7 | 98.7 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1   | 99.1 | 99.1 |
| ≥ 500             | 67.7                       | 82.7 | 91.4 | 95.8 | 97.9 | 98.6 | 98.9 | 98.9 | 98.9 | 99.0 | 99.2 | 99.3 | 99.3   | 99.4 | 99.4 |
| ≥ 400             | 67.8                       | 82.8 | 91.5 | 95.9 | 98.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5   | 99.6 | 99.6 |
| ≥ 300             | 67.8                       | 82.8 | 91.5 | 96.0 | 98.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6   | 99.7 | 99.7 |
| ≥ 200             | 67.8                       | 82.8 | 91.5 | 96.0 | 98.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6   | 99.7 | 99.7 |
| ≥ 100             | 67.8                       | 82.8 | 91.5 | 96.0 | 98.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6   | 99.7 | 99.7 |
| 0                 | 67.8                       | 82.8 | 91.5 | 96.0 | 98.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6   | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 960

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (LST)

4477

HHMM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHMM

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |       |       |       |       |       |       |        |       |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ 5/16 | ≥ ¼   |
| NO CEILING        |                            |      |      |      |      |      |       |       |       |       |       |       |        |       |
| ≥ 20000           |                            | 68.6 | 79.0 | 80.7 | 81.5 | 81.5 | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3   | 82.3  |
| AI 18000          |                            | 70.2 | 81.5 | 83.1 | 83.9 | 83.9 | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7   | 84.7  |
| AI 16000          |                            | 70.2 | 81.5 | 83.1 | 83.9 | 83.9 | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7   | 84.7  |
| AI 14000          |                            | 70.2 | 81.5 | 83.1 | 83.9 | 83.9 | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7   | 84.7  |
| AI 12000          |                            | 70.2 | 81.5 | 83.1 | 83.9 | 83.9 | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7   | 84.7  |
| AI 10000          |                            | 71.0 | 82.3 | 83.9 | 84.7 | 84.7 | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5   | 85.5  |
| AI 9000           |                            | 71.8 | 83.1 | 84.7 | 85.5 | 85.5 | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3   | 86.3  |
| AI 8000           |                            | 78.2 | 90.3 | 91.9 | 92.7 | 92.7 | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6   | 93.6  |
| AI 7000           |                            | 79.8 | 91.9 | 93.6 | 94.4 | 94.4 | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2   | 95.2  |
| AI 6000           |                            | 79.8 | 91.9 | 93.6 | 94.4 | 94.4 | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2   | 95.2  |
| AI 5000           |                            | 79.8 | 91.9 | 93.6 | 94.4 | 94.4 | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2   | 95.2  |
| AI 4500           |                            | 79.8 | 91.9 | 93.6 | 94.4 | 94.4 | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2   | 95.2  |
| AI 4000           |                            | 79.8 | 91.9 | 93.6 | 94.4 | 94.4 | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2   | 95.2  |
| AI 3500           |                            | 80.7 | 94.4 | 96.0 | 96.8 | 96.8 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6   | 97.6  |
| AI 3000           |                            | 80.7 | 94.4 | 96.0 | 96.8 | 96.8 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6   | 97.6  |
| AI 2500           |                            | 80.7 | 95.2 | 96.8 | 97.6 | 97.6 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4   | 98.4  |
| AI 2000           |                            | 81.5 | 96.0 | 97.6 | 98.4 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  |
| AI 1800           |                            | 81.5 | 96.0 | 97.6 | 98.4 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  |
| AI 1500           |                            | 81.5 | 96.0 | 97.6 | 98.4 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  |
| AI 1200           |                            | 81.5 | 96.0 | 97.6 | 98.4 | 98.4 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  |
| AI 1000           |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 900            |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 800            |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 700            |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 600            |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 500            |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 400            |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 300            |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 200            |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 100            |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| AI 0              |                            | 81.5 | 96.8 | 98.4 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NMSE

73-76

YEARS

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)04  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |       |        |       |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|--------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½   | ≥ 5/16 | ≥ ¼   |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |       |        |       |
| ≥ 20000           |                            | 57.2 | 67.7 | 72.6 | 75.2 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0  | 79.8   | 79.8  |
| ≥ 18000           |                            | 58.9 | 70.2 | 75.0 | 80.7 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5  | 82.3   | 82.3  |
| ≥ 16000           |                            | 58.9 | 70.2 | 75.0 | 80.7 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5  | 82.3   | 82.3  |
| ≥ 14000           |                            | 58.9 | 70.2 | 75.0 | 80.7 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5  | 82.3   | 82.3  |
| ≥ 12000           |                            | 59.7 | 71.0 | 75.8 | 81.5 | 81.5 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3  | 83.1   | 83.1  |
| ≥ 10000           |                            | 60.5 | 71.8 | 76.6 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1  | 83.9   | 83.9  |
| ≥ 9000            |                            | 60.5 | 71.8 | 76.6 | 82.3 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1  | 83.9   | 83.9  |
| ≥ 8000            |                            | 64.5 | 77.4 | 83.1 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.1  | 91.1   | 91.1  |
| ≥ 7000            |                            | 65.3 | 78.2 | 83.9 | 90.3 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1  | 91.9   | 91.9  |
| ≥ 6000            |                            | 66.1 | 79.0 | 84.7 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.7  | 92.7   | 92.7  |
| ≥ 5000            |                            | 66.1 | 79.0 | 84.7 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.7  | 92.7   | 92.7  |
| ≥ 4500            |                            | 66.1 | 79.0 | 84.7 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.7  | 92.7   | 92.7  |
| ≥ 4000            |                            | 66.1 | 79.0 | 84.7 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.7  | 92.7   | 92.7  |
| ≥ 3500            |                            | 66.1 | 79.8 | 85.5 | 91.9 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 93.6  | 93.6   | 93.6  |
| ≥ 3000            |                            | 67.7 | 81.5 | 87.1 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.2  | 95.2   | 95.2  |
| ≥ 2500            |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 2000            |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 1800            |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 1500            |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 1200            |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 1000            |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 900             |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 800             |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 700             |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 600             |                            | 69.4 | 83.1 | 88.7 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8  | 96.8   | 96.8  |
| ≥ 500             |                            | 70.2 | 83.9 | 91.1 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0  | 100.0 |
| ≥ 400             |                            | 70.2 | 83.9 | 91.1 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0  | 100.0 |
| ≥ 300             |                            | 70.2 | 83.9 | 91.1 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0  | 100.0 |
| ≥ 200             |                            | 70.2 | 83.9 | 91.1 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0  | 100.0 |
| ≥ 100             |                            | 70.2 | 83.9 | 91.1 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0  | 100.0 |
| 0                 |                            | 70.2 | 83.9 | 91.1 | 97.6 | 97.6 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

124



13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

## CEILING VERSUS VISIBILITY

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (L.S.T.)

4475

MMH

5703 CEILING VERSUS VISIBILITY JAN 68

MMH

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           |                            | 36.3 | 45.2 | 56.5 | 59.7 | 63.7 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.9   | 66.9 |
| 18000             |                            | 40.3 | 50.0 | 62.9 | 68.6 | 72.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.6   | 76.6 |
| 16000             |                            | 40.3 | 50.0 | 62.9 | 68.6 | 72.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.6   | 76.6 |
| 14000             |                            | 40.3 | 50.0 | 62.9 | 68.6 | 72.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.6   | 76.6 |
| 12000             |                            | 40.3 | 50.0 | 62.9 | 68.6 | 72.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.6   | 76.6 |
| 10000             |                            | 41.1 | 51.6 | 64.5 | 70.2 | 74.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4   | 77.4 |
| 9000              |                            | 41.1 | 51.6 | 64.5 | 70.2 | 74.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4   | 77.4 |
| 8000              |                            | 44.4 | 56.5 | 70.2 | 75.8 | 79.8 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.9   | 83.9 |
| 7000              |                            | 44.4 | 56.5 | 70.2 | 75.8 | 79.8 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.9   | 83.9 |
| 6000              |                            | 45.2 | 57.3 | 71.0 | 76.6 | 80.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.7   | 84.7 |
| 5000              |                            | 46.0 | 58.9 | 72.6 | 78.2 | 82.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 86.3   | 86.3 |
| 4500              |                            | 46.8 | 59.7 | 73.4 | 79.0 | 83.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 87.1   | 87.1 |
| 4000              |                            | 46.8 | 59.7 | 73.4 | 79.0 | 83.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 87.1   | 87.1 |
| 3500              |                            | 47.6 | 62.1 | 75.8 | 81.5 | 85.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 89.5   | 89.5 |
| 3000              |                            | 49.2 | 64.5 | 78.2 | 83.9 | 87.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9   | 91.9 |
| 2500              |                            | 50.0 | 65.3 | 79.0 | 84.7 | 88.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.7   | 92.7 |
| 2000              |                            | 50.8 | 66.9 | 80.7 | 86.3 | 90.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 94.4   | 94.4 |
| 1800              |                            | 50.8 | 66.9 | 80.7 | 86.3 | 90.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 94.4   | 94.4 |
| 1500              |                            | 51.6 | 67.7 | 81.5 | 87.1 | 91.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.2   | 95.2 |
| 1200              |                            | 51.6 | 67.7 | 81.5 | 87.1 | 91.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.2   | 95.2 |
| 1000              |                            | 51.6 | 67.7 | 81.5 | 87.1 | 91.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.2   | 95.2 |
| 900               |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |
| 800               |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |
| 700               |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |
| 600               |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |
| 500               |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |
| 400               |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |
| 300               |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |
| 200               |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |
| 100               |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |
| 0                 |                            | 52.4 | 68.6 | 82.3 | 87.9 | 91.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8   | 96.8 |

TOTAL NUMBER OF OBSERVATIONS

124



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           |                            | 44.4 | 60.5 | 66.1 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| ≥ 18000           |                            | 49.2 | 65.3 | 71.0 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| ≥ 16000           |                            | 49.2 | 65.3 | 71.0 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| ≥ 14000           |                            | 50.0 | 66.1 | 71.8 | 75.0 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 12000           |                            | 50.8 | 66.9 | 72.6 | 75.8 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥ 10000           |                            | 51.6 | 67.7 | 73.4 | 76.6 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 9000            |                            | 53.2 | 69.4 | 75.0 | 78.2 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 8000            |                            | 53.2 | 69.4 | 75.0 | 78.2 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 7000            |                            | 56.5 | 73.4 | 79.0 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥ 6000            |                            | 56.5 | 73.4 | 79.0 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥ 5000            |                            | 56.5 | 73.4 | 79.0 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥ 4500            |                            | 58.1 | 75.0 | 80.7 | 84.7 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥ 4000            |                            | 58.9 | 75.8 | 81.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 3500            |                            | 58.9 | 75.8 | 81.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 3000            |                            | 61.3 | 78.2 | 84.7 | 88.7 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 2500            |                            | 61.3 | 78.2 | 84.7 | 88.7 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 2000            |                            | 65.3 | 82.3 | 88.7 | 92.7 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 1800            |                            | 65.3 | 82.3 | 88.7 | 92.7 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 1500            |                            | 65.3 | 82.3 | 88.7 | 92.7 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 1200            |                            | 65.3 | 82.3 | 88.7 | 92.7 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 1000            |                            | 66.1 | 83.9 | 91.9 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 900             |                            | 66.9 | 84.7 | 92.7 | 96.8 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 800             |                            | 67.7 | 85.5 | 93.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 700             |                            | 67.7 | 85.5 | 93.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 600             |                            | 67.7 | 85.5 | 93.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 500             |                            | 67.7 | 85.5 | 93.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 400             |                            | 67.7 | 85.5 | 93.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 300             |                            | 67.7 | 85.5 | 93.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 200             |                            | 67.7 | 85.5 | 93.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 100             |                            | 67.7 | 85.5 | 93.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 0               |                            | 67.7 | 85.5 | 93.6 | 97.6 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

NNN

1234-18766

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  | ≥ 0  |
| NO CEILING        |                            | 56.5 | 60.5 | 60.5 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3   | 61.3 | 61.3 | 61.3 |
| ≥ 20000           |                            | 65.3 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 | 71.0 | 71.0 |
| AI 18000          |                            | 65.3 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 | 71.0 | 71.0 |
| AI 16000          |                            | 65.3 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 | 71.0 | 71.0 |
| AI 14000          |                            | 65.3 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 | 71.0 | 71.0 |
| AI 12000          |                            | 66.1 | 71.0 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8   | 71.8 | 71.8 | 71.8 |
| AI 10000          |                            | 71.0 | 75.8 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6   | 76.6 | 76.6 | 76.6 |
| AI 9000           |                            | 71.0 | 75.8 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6   | 76.6 | 76.6 | 76.6 |
| AI 8000           |                            | 76.6 | 81.5 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 | 83.1 |
| AI 7000           |                            | 76.6 | 81.5 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 | 83.1 |
| AI 6000           |                            | 76.6 | 81.5 | 82.3 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 | 83.1 | 83.1 |
| AI 5000           |                            | 77.4 | 82.3 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9   | 83.9 | 83.9 | 83.9 |
| AI 4500           |                            | 77.4 | 83.1 | 83.9 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7   | 84.7 | 84.7 | 84.7 |
| AI 4000           |                            | 78.2 | 83.9 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5   | 85.5 | 85.5 | 85.5 |
| AI 3500           |                            | 79.0 | 85.5 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 | 87.1 | 87.1 |
| AI 3000           |                            | 79.8 | 86.3 | 87.0 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7   | 88.7 | 88.7 | 88.7 |
| AI 2500           |                            | 84.7 | 91.1 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6   | 93.6 | 93.6 | 93.6 |
| AI 2000           |                            | 86.3 | 92.7 | 94.4 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 | 95.2 |
| AI 1800           |                            | 86.3 | 92.7 | 94.4 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 | 95.2 |
| AI 1500           |                            | 87.1 | 93.6 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0   | 96.0 | 96.0 | 96.0 |
| AI 1200           |                            | 87.1 | 93.6 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0   | 96.0 | 96.0 | 96.0 |
| AI 1000           |                            | 87.9 | 95.2 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 | 97.6 |
| AI 900            |                            | 87.9 | 95.2 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6   | 97.6 | 97.6 | 97.6 |
| AI 800            |                            | 88.7 | 96.0 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 | 98.4 |
| AI 700            |                            | 88.7 | 96.0 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 | 98.4 |
| AI 600            |                            | 88.7 | 96.0 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 | 98.4 |
| AI 500            |                            | 88.7 | 96.0 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 | 98.4 |
| AI 400            |                            | 88.7 | 96.0 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 | 98.4 |
| AI 300            |                            | 88.7 | 96.0 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 | 98.4 |
| AI 200            |                            | 88.7 | 96.0 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 | 98.4 |
| AI 100            |                            | 88.7 | 96.0 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 | 98.4 |
| AI 0              |                            | 88.7 | 96.0 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS

124

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

NNNN

1234-18766

4473

# CEILING VERSUS VISIBILITY

13758 CHARLESTON, SOUTH CAROLINA NWSE 73-75 STATION NAME MONTH OCT 1967 HOURS (LST) 16

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        | 54.0                       | 57.3 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| ≥ 20000           | 66.9                       | 71.8 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 18000             | 66.9                       | 71.8 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 16000             | 67.7                       | 72.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 14000             | 67.7                       | 72.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 12000             | 68.6                       | 73.4 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 10000             | 71.0                       | 75.8 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 9000              | 71.8                       | 76.6 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 8000              | 79.0                       | 83.9 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 7000              | 79.0                       | 84.7 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 6000              | 79.0                       | 84.7 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 5000              | 79.0                       | 84.7 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 4500              | 79.0                       | 84.7 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 4000              | 80.7                       | 86.3 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 3500              | 81.5                       | 87.1 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 3000              | 83.1                       | 88.7 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 2500              | 87.1                       | 92.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 2000              | 89.5                       | 95.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 1800              | 89.5                       | 95.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 1500              | 89.5                       | 95.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 1200              | 90.3                       | 96.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 1000              | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 900               | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 800               | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 700               | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 600               | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 500               | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 400               | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 300               | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 200               | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100               | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0                 | 91.1                       | 96.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 124



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-74

YEARS

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           |                            | 62.9 | 70.2 | 71.0 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| ≥ 18000           |                            | 67.7 | 75.8 | 77.4 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 16000           |                            | 67.7 | 75.8 | 77.4 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 14000           |                            | 67.7 | 75.8 | 77.4 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 12000           |                            | 67.7 | 75.8 | 77.4 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 10000           |                            | 71.0 | 79.0 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 9000            |                            | 71.0 | 79.0 | 80.7 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 8000            |                            | 75.8 | 86.3 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 7000            |                            | 75.8 | 86.3 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 6000            |                            | 75.8 | 86.3 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 5000            |                            | 75.8 | 86.3 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 4500            |                            | 76.6 | 87.1 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 4000            |                            | 77.4 | 87.9 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 3500            |                            | 78.2 | 89.5 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 3000            |                            | 79.8 | 91.1 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 2500            |                            | 81.5 | 92.7 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 1800            |                            | 81.5 | 92.7 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 1500            |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 1200            |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 1000            |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 900             |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 800             |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 700             |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 600             |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 500             |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 400             |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 300             |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 200             |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 100             |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 0               |                            | 83.1 | 95.2 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

4471

HMM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

HHP



# CEILING VERSUS VISIBILITY

2

2

13758 STATION 13758 CHARLESTON, SOUTH CAROLINA NNSE 73-76 YEARS MONTH OCT 22 HOURS (LST) 22

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |       |       |       |       |       |       |       |       |        |       |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3   | ≥ 2½  | ≥ 2   | ≥ 1½  | ≥ 1¼  | ≥ 1   | ≥ ¾   | ≥ ½   | ≥ 5/16 | ≥ ¼   |
| NO CEILING        |                            | 62.9 | 73.4 | 74.2 | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0   | 75.0  |
| ≥ 20000           |                            | 67.7 | 78.2 | 79.0 | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8   | 79.8  |
| ≥ 18000           |                            | 67.7 | 78.2 | 79.0 | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8   | 79.8  |
| ≥ 16000           |                            | 67.7 | 78.2 | 79.0 | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8   | 79.8  |
| ≥ 14000           |                            | 67.7 | 78.2 | 79.0 | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8   | 79.8  |
| ≥ 12000           |                            | 67.7 | 78.2 | 79.0 | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8  | 79.8   | 79.8  |
| ≥ 10000           |                            | 70.2 | 80.7 | 81.3 | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3   | 82.3  |
| ≥ 9000            |                            | 71.8 | 82.3 | 83.1 | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9  | 83.9   | 83.9  |
| ≥ 8000            |                            | 76.6 | 89.3 | 90.3 | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1  | 91.1   | 91.1  |
| ≥ 7000            |                            | 77.4 | 90.3 | 91.1 | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7   | 92.7  |
| ≥ 6000            |                            | 77.4 | 90.3 | 91.1 | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7   | 92.7  |
| ≥ 5000            |                            | 77.4 | 90.3 | 91.1 | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7   | 92.7  |
| ≥ 4500            |                            | 77.4 | 90.3 | 91.1 | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7   | 92.7  |
| ≥ 4000            |                            | 77.4 | 90.3 | 91.1 | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7  | 92.7   | 92.7  |
| ≥ 3500            |                            | 78.2 | 91.1 | 92.7 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4   | 94.4  |
| ≥ 3000            |                            | 79.0 | 92.7 | 94.4 | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0   | 96.0  |
| ≥ 2500            |                            | 79.0 | 92.7 | 94.4 | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0   | 96.0  |
| ≥ 2000            |                            | 80.7 | 94.4 | 96.0 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4   | 98.4  |
| ≥ 1800            |                            | 80.7 | 94.4 | 96.0 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4   | 98.4  |
| ≥ 1500            |                            | 80.7 | 94.4 | 96.0 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4   | 98.4  |
| ≥ 1200            |                            | 80.7 | 94.4 | 96.0 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4   | 98.4  |
| ≥ 1000            |                            | 80.7 | 95.2 | 96.8 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  |
| ≥ 900             |                            | 80.7 | 95.2 | 96.8 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2   | 99.2  |
| ≥ 800             |                            | 80.7 | 95.2 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 700             |                            | 80.7 | 95.2 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 600             |                            | 80.7 | 95.2 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 500             |                            | 80.7 | 95.2 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 400             |                            | 80.7 | 95.2 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 300             |                            | 80.7 | 95.2 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 200             |                            | 80.7 | 95.2 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| ≥ 100             |                            | 80.7 | 95.2 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |
| 0                 |                            | 80.7 | 95.2 | 97.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 124

NAVWEASERVCOM

MMMM

5703 CEILING VERSUS VISIBILITY JAN 68

RRR

1234-18766

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NMSE

73-74

YEARS

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 55.3                       | 64.2 | 67.6 | 69.6 | 70.1 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.9 | 70.9   | 70.9 |
| ≥ 18000           | 60.8                       | 70.4 | 74.0 | 76.2 | 76.7 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.6 | 77.6   | 77.6 |
| ≥ 16000           | 61.0                       | 70.6 | 74.2 | 76.4 | 76.9 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.8 | 77.8   | 77.8 |
| ≥ 14000           | 61.1                       | 70.7 | 74.3 | 76.5 | 77.0 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.9 | 77.9   | 77.9 |
| ≥ 12000           | 61.5                       | 71.2 | 74.8 | 77.0 | 77.5 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.4 | 78.4   | 78.4 |
| ≥ 10000           | 63.6                       | 73.3 | 76.9 | 79.1 | 79.6 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5   | 80.5 |
| ≥ 9000            | 64.0                       | 73.7 | 77.3 | 79.5 | 80.0 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 81.0 | 81.0   | 81.0 |
| ≥ 8000            | 69.0                       | 79.8 | 83.8 | 86.2 | 86.7 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.6 | 87.6   | 87.6 |
| ≥ 7000            | 69.4                       | 80.3 | 84.4 | 86.9 | 87.4 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.3 | 88.3   | 88.3 |
| ≥ 6000            | 69.6                       | 80.5 | 84.6 | 87.1 | 87.6 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.5 | 88.5   | 88.5 |
| ≥ 5000            | 70.0                       | 81.1 | 85.1 | 87.6 | 88.1 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 89.0 | 89.0   | 89.0 |
| ≥ 4500            | 70.3                       | 81.5 | 85.5 | 88.0 | 88.5 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.4 | 89.4   | 89.4 |
| ≥ 4000            | 70.7                       | 82.0 | 86.0 | 88.5 | 89.0 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 90.0 | 90.0   | 90.0 |
| ≥ 3500            | 71.3                       | 83.2 | 87.4 | 89.9 | 90.5 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.4 | 91.4   | 91.4 |
| ≥ 3000            | 72.6                       | 84.7 | 89.1 | 91.6 | 92.2 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.2 | 93.2   | 93.2 |
| ≥ 2500            | 74.0                       | 86.2 | 90.6 | 93.3 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.8 | 94.8   | 94.8 |
| ≥ 2000            | 75.6                       | 87.9 | 92.5 | 95.2 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.0 | 97.0   | 97.0 |
| ≥ 1800            | 75.6                       | 87.9 | 92.5 | 95.2 | 95.8 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.0 | 97.0   | 97.0 |
| ≥ 1500            | 76.0                       | 88.4 | 93.2 | 95.8 | 96.4 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.6 | 97.6   | 97.6 |
| ≥ 1200            | 76.1                       | 88.6 | 93.4 | 96.0 | 96.6 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8   | 97.8 |
| ≥ 1000            | 76.4                       | 89.2 | 94.1 | 96.7 | 97.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.6 | 98.6   | 98.6 |
| ≥ 900             | 76.6                       | 89.4 | 94.3 | 96.9 | 97.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.8 | 98.8   | 98.8 |
| ≥ 800             | 76.8                       | 89.6 | 94.5 | 97.5 | 98.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4   | 99.4 |
| ≥ 700             | 76.8                       | 89.6 | 94.5 | 97.5 | 98.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4   | 99.4 |
| ≥ 600             | 76.8                       | 89.6 | 94.5 | 97.5 | 98.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4   | 99.4 |
| ≥ 500             | 76.9                       | 89.7 | 95.0 | 97.8 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7   | 99.7 |
| ≥ 400             | 76.9                       | 89.7 | 95.0 | 97.8 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7   | 99.7 |
| ≥ 300             | 76.9                       | 89.7 | 95.0 | 97.8 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7   | 99.7 |
| ≥ 200             | 76.9                       | 89.7 | 95.0 | 97.8 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7   | 99.7 |
| ≥ 100             | 76.9                       | 89.7 | 95.0 | 97.8 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7   | 99.7 |
| ≥ 0               | 76.9                       | 89.7 | 95.0 | 97.8 | 98.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7   | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

992

NAVWEASERVCOM

4469

MMH

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

MMH

# CEILING VERSUS VISIBILITY

13758 STATION NAME CHARLESTON, SOUTH CAROLINA NWSE 72.075 YEARS NOV MONTH 01 HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      | HMM  |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      |
| ≥ 20000           | 65.0                       | 66.7 | 67.5 | 68.3 | 69.2 | 69.2 | 69.2 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.8   | 70.8 | 71.7 |
| ≥ 18000           | 70.0                       | 71.7 | 72.5 | 73.3 | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.8   | 75.8 | 76.7 |
| ≥ 16000           | 70.0                       | 71.7 | 72.5 | 73.3 | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.8   | 75.8 | 76.7 |
| ≥ 14000           | 70.0                       | 71.7 | 72.5 | 73.3 | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.8   | 75.8 | 76.7 |
| ≥ 12000           | 70.8                       | 72.5 | 73.3 | 74.2 | 75.0 | 75.0 | 75.0 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.7   | 76.7 | 77.5 |
| ≥ 10000           | 72.5                       | 74.2 | 75.0 | 76.7 | 77.5 | 77.5 | 77.5 | 78.3 | 78.3 | 78.3 | 78.3 | 79.2 | 79.2   | 79.2 | 80.0 |
| ≥ 9000            | 72.5                       | 74.2 | 75.0 | 76.7 | 77.5 | 77.5 | 77.5 | 78.3 | 78.3 | 78.3 | 78.3 | 79.2 | 79.2   | 79.2 | 80.0 |
| 8000              | 76.7                       | 78.3 | 80.0 | 80.8 | 81.7 | 81.7 | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3   | 83.3 | 84.2 |
| 7000              | 77.5                       | 79.2 | 80.8 | 81.7 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 84.2 | 84.2   | 84.2 | 85.0 |
| 6000              | 77.5                       | 79.2 | 80.8 | 81.7 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 84.2 | 84.2   | 84.2 | 85.0 |
| 5000              | 77.5                       | 79.2 | 80.8 | 81.7 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 84.2 | 84.2   | 84.2 | 85.0 |
| 4500              | 77.5                       | 79.2 | 80.8 | 81.7 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 84.2 | 84.2   | 84.2 | 85.0 |
| 4000              | 79.2                       | 80.8 | 82.5 | 83.3 | 84.2 | 84.2 | 84.2 | 85.0 | 85.0 | 85.0 | 85.0 | 85.8 | 85.8   | 85.8 | 86.7 |
| 3500              | 79.2                       | 80.8 | 82.5 | 83.3 | 84.2 | 84.2 | 84.2 | 85.0 | 85.0 | 85.0 | 85.0 | 85.8 | 85.8   | 85.8 | 86.7 |
| 3000              | 80.0                       | 82.5 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 | 86.7 | 86.7 | 86.7 | 86.7 | 87.5 | 87.5   | 87.5 | 88.3 |
| 2500              | 80.0                       | 82.5 | 84.2 | 85.0 | 85.8 | 85.8 | 85.8 | 86.7 | 86.7 | 86.7 | 86.7 | 87.5 | 87.5   | 87.5 | 88.3 |
| 2000              | 83.3                       | 86.7 | 88.3 | 89.2 | 90.0 | 90.0 | 90.0 | 90.8 | 90.8 | 90.8 | 90.8 | 91.7 | 91.7   | 91.7 | 92.5 |
| 1800              | 83.3                       | 86.7 | 88.3 | 89.2 | 90.0 | 90.0 | 90.0 | 90.8 | 90.8 | 90.8 | 90.8 | 91.7 | 91.7   | 91.7 | 92.5 |
| 1500              | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 1200              | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 1000              | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 900               | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 800               | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 700               | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 600               | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 500               | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 400               | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 300               | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 200               | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 100               | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |
| 0                 | 84.2                       | 89.2 | 90.8 | 91.7 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2   | 94.2 | 95.0 |

TOTAL NUMBER OF OBSERVATIONS 120

NAVWEASERVCOM



NET  
MONTH

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |        |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |        |      |      |
| ≥ 20000           | 61.7                       | 62.5 | 65.8 | 66.7 | 66.7 | 66.7 | 67.5 | 67.5 | 67.5 | 69.2 | 70.0 | 70.0   | 70.0 | 71.7 |
| ≥ 18000           | 65.8                       | 66.7 | 70.0 | 70.8 | 70.8 | 70.8 | 71.7 | 71.7 | 71.7 | 73.3 | 74.2 | 74.2   | 74.2 | 75.8 |
| ≥ 16000           | 65.8                       | 66.7 | 70.0 | 70.8 | 70.8 | 70.8 | 71.7 | 71.7 | 71.7 | 73.3 | 74.2 | 74.2   | 74.2 | 75.8 |
| ≥ 14000           | 65.8                       | 66.7 | 70.0 | 70.8 | 70.8 | 70.8 | 71.7 | 71.7 | 71.7 | 73.3 | 74.2 | 74.2   | 74.2 | 75.8 |
| ≥ 12000           | 65.7                       | 67.5 | 70.8 | 71.7 | 71.7 | 71.7 | 72.5 | 72.5 | 72.5 | 74.2 | 75.0 | 75.0   | 75.0 | 76.7 |
| ≥ 10000           | 68.3                       | 69.2 | 72.5 | 73.3 | 73.3 | 73.3 | 74.2 | 74.2 | 74.2 | 75.8 | 76.7 | 76.7   | 76.7 | 78.3 |
| ≥ 9000            | 68.3                       | 69.2 | 72.5 | 73.3 | 73.3 | 73.3 | 74.2 | 74.2 | 74.2 | 75.8 | 76.7 | 76.7   | 76.7 | 78.3 |
| ≥ 8000            | 71.7                       | 72.5 | 75.8 | 76.7 | 76.7 | 76.7 | 77.5 | 77.5 | 77.5 | 79.2 | 80.0 | 80.0   | 80.0 | 81.7 |
| ≥ 7000            | 71.7                       | 72.5 | 75.8 | 76.7 | 76.7 | 76.7 | 77.5 | 77.5 | 77.5 | 79.2 | 80.0 | 80.0   | 80.0 | 81.7 |
| ≥ 6000            | 71.7                       | 72.5 | 75.8 | 76.7 | 76.7 | 76.7 | 77.5 | 77.5 | 77.5 | 79.2 | 80.0 | 80.0   | 80.0 | 81.7 |
| ≥ 5000            | 71.7                       | 72.5 | 75.8 | 76.7 | 76.7 | 76.7 | 77.5 | 77.5 | 77.5 | 79.2 | 80.0 | 80.0   | 80.0 | 81.7 |
| ≥ 4500            | 71.7                       | 72.5 | 75.8 | 76.7 | 76.7 | 76.7 | 77.5 | 77.5 | 77.5 | 79.2 | 80.0 | 80.0   | 80.0 | 81.7 |
| ≥ 4000            | 73.3                       | 74.2 | 77.5 | 78.3 | 78.3 | 78.3 | 79.2 | 79.2 | 79.2 | 80.8 | 81.7 | 81.7   | 81.7 | 83.3 |
| ≥ 3500            | 74.2                       | 75.0 | 78.3 | 79.2 | 79.2 | 79.2 | 80.0 | 80.0 | 80.0 | 81.7 | 82.5 | 82.5   | 82.5 | 84.2 |
| ≥ 3000            | 74.2                       | 75.0 | 78.3 | 79.2 | 79.2 | 79.2 | 80.0 | 80.0 | 80.0 | 81.7 | 82.5 | 82.5   | 82.5 | 84.2 |
| ≥ 2500            | 75.0                       | 76.7 | 80.0 | 81.7 | 81.7 | 81.7 | 82.5 | 82.5 | 82.5 | 84.2 | 85.0 | 85.0   | 85.0 | 86.7 |
| ≥ 2000            | 77.5                       | 79.2 | 84.2 | 85.0 | 85.0 | 85.0 | 85.8 | 85.8 | 85.8 | 87.5 | 88.3 | 88.3   | 88.3 | 90.0 |
| ≥ 1800            | 77.5                       | 79.2 | 84.2 | 85.0 | 85.0 | 85.0 | 85.8 | 85.8 | 85.8 | 87.5 | 88.3 | 88.3   | 88.3 | 90.0 |
| ≥ 1500            | 79.2                       | 80.8 | 85.7 | 87.5 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 | 90.0 | 90.8 | 90.8   | 90.8 | 92.5 |
| ≥ 1200            | 79.2                       | 80.8 | 85.7 | 87.5 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 | 90.0 | 90.8 | 90.8   | 90.8 | 92.5 |
| ≥ 1000            | 79.2                       | 80.8 | 85.7 | 87.5 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 | 90.0 | 90.8 | 90.8   | 90.8 | 92.5 |
| ≥ 900             | 79.2                       | 80.8 | 85.7 | 87.5 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 | 90.0 | 90.8 | 90.8   | 90.8 | 92.5 |
| ≥ 800             | 79.2                       | 80.8 | 85.7 | 87.5 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 | 90.0 | 90.8 | 90.8   | 90.8 | 92.5 |
| ≥ 700             | 79.2                       | 80.8 | 85.7 | 87.5 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 | 90.0 | 90.8 | 90.8   | 90.8 | 92.5 |

TOTAL NUMBER OF OBSERVATIONS

120



## CEILING VERSUS VISIBILITY

13753  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

NOV  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)07  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            | 46.7 | 50.8 | 55.0 | 56.7 | 58.3 | 60.0 | 62.5 | 62.5 | 63.3 | 64.2 | 65.0 | 65.0   | 65.0 |
| ≥ 20000           |                            | 48.3 | 54.2 | 58.3 | 60.0 | 61.7 | 63.3 | 65.8 | 65.8 | 66.7 | 67.5 | 68.3 | 68.3   | 68.3 |
| 18000             |                            | 48.3 | 54.2 | 58.3 | 60.0 | 61.7 | 63.3 | 65.8 | 65.8 | 66.7 | 67.5 | 68.3 | 68.3   | 68.3 |
| 16000             |                            | 48.3 | 54.2 | 58.3 | 60.0 | 61.7 | 63.3 | 65.8 | 65.8 | 66.7 | 67.5 | 68.3 | 68.3   | 68.3 |
| 14000             |                            | 48.3 | 54.2 | 58.3 | 60.0 | 61.7 | 63.3 | 65.8 | 65.8 | 66.7 | 67.5 | 68.3 | 68.3   | 68.3 |
| 12000             |                            | 49.2 | 55.0 | 59.2 | 60.8 | 62.5 | 64.2 | 66.7 | 66.7 | 67.5 | 68.3 | 69.2 | 69.2   | 69.2 |
| 10000             |                            | 50.8 | 56.7 | 60.8 | 63.3 | 65.0 | 66.7 | 69.2 | 69.2 | 70.0 | 70.8 | 71.7 | 71.7   | 71.7 |
| 9000              |                            | 50.8 | 56.7 | 60.8 | 63.3 | 65.0 | 66.7 | 69.2 | 69.2 | 70.0 | 70.8 | 71.7 | 71.7   | 71.7 |
| 8000              |                            | 55.8 | 63.3 | 67.5 | 71.7 | 74.2 | 75.8 | 78.3 | 79.2 | 79.2 | 80.0 | 80.8 | 80.8   | 80.8 |
| 7000              |                            | 56.7 | 64.2 | 68.3 | 72.5 | 75.0 | 76.7 | 79.2 | 79.2 | 80.0 | 80.8 | 81.7 | 81.7   | 81.7 |
| 6000              |                            | 56.7 | 64.2 | 68.3 | 72.5 | 75.0 | 76.7 | 79.2 | 79.2 | 80.0 | 80.8 | 81.7 | 81.7   | 81.7 |
| 5000              |                            | 56.7 | 64.2 | 68.3 | 72.5 | 75.0 | 76.7 | 79.2 | 79.2 | 80.0 | 80.8 | 81.7 | 81.7   | 81.7 |
| 4500              |                            | 58.3 | 65.8 | 70.0 | 74.2 | 76.7 | 78.3 | 80.8 | 80.8 | 81.7 | 82.5 | 83.3 | 83.3   | 83.3 |
| 4000              |                            | 59.2 | 66.7 | 70.8 | 75.0 | 77.5 | 79.2 | 81.7 | 81.7 | 82.5 | 83.3 | 84.2 | 84.2   | 84.2 |
| 3500              |                            | 60.8 | 68.3 | 72.5 | 76.7 | 79.2 | 80.8 | 83.3 | 83.3 | 84.2 | 85.0 | 85.8 | 85.8   | 85.8 |
| 3000              |                            | 61.7 | 69.2 | 73.3 | 78.3 | 80.8 | 82.5 | 85.0 | 85.0 | 85.8 | 86.7 | 87.5 | 87.5   | 87.5 |
| 2500              |                            | 63.3 | 71.7 | 75.8 | 80.8 | 83.3 | 85.0 | 87.5 | 87.5 | 88.3 | 89.2 | 90.0 | 90.0   | 90.0 |
| 2000              |                            | 63.3 | 71.7 | 75.8 | 80.8 | 83.3 | 85.0 | 87.5 | 87.5 | 88.3 | 89.2 | 90.0 | 90.0   | 90.0 |
| 1800              |                            | 63.3 | 71.7 | 75.8 | 80.8 | 83.3 | 85.0 | 87.5 | 87.5 | 88.3 | 89.2 | 90.0 | 90.0   | 90.0 |
| 1500              |                            | 63.3 | 73.3 | 77.5 | 83.3 | 85.8 | 87.5 | 90.0 | 90.0 | 90.8 | 91.7 | 92.5 | 92.5   | 92.5 |
| 1200              |                            | 63.3 | 73.3 | 77.5 | 83.3 | 85.8 | 87.5 | 90.0 | 90.0 | 90.8 | 91.7 | 92.5 | 92.5   | 92.5 |
| 1000              |                            | 64.2 | 74.2 | 78.3 | 84.2 | 86.7 | 88.3 | 90.8 | 90.8 | 91.7 | 92.5 | 93.3 | 93.3   | 93.3 |
| 900               |                            | 64.2 | 74.2 | 78.3 | 84.2 | 86.7 | 88.3 | 90.8 | 90.8 | 91.7 | 92.5 | 93.3 | 93.3   | 93.3 |
| 800               |                            | 64.2 | 74.2 | 78.3 | 84.2 | 86.7 | 88.3 | 90.8 | 90.8 | 91.7 | 92.5 | 93.3 | 93.3   | 93.3 |
| 700               |                            | 64.2 | 74.2 | 78.3 | 84.2 | 86.7 | 88.3 | 90.8 | 90.8 | 91.7 | 92.5 | 93.3 | 93.3   | 93.3 |
| 600               |                            | 64.2 | 74.2 | 78.3 | 84.2 | 86.7 | 89.2 | 91.7 | 91.7 | 93.3 | 94.2 | 95.0 | 95.0   | 95.0 |
| 500               |                            | 64.2 | 74.2 | 78.3 | 84.2 | 86.7 | 89.2 | 91.7 | 91.7 | 93.3 | 94.2 | 95.0 | 95.0   | 95.0 |
| 400               |                            | 64.2 | 74.2 | 78.3 | 85.0 | 87.5 | 90.0 | 92.5 | 92.5 | 94.2 | 95.0 | 95.8 | 95.8   | 95.8 |
| 300               |                            | 64.2 | 74.2 | 78.3 | 85.0 | 87.5 | 90.0 | 94.2 | 94.2 | 95.8 | 97.5 | 98.3 | 98.3   | 98.3 |
| 200               |                            | 64.2 | 74.2 | 78.3 | 85.0 | 87.5 | 90.0 | 94.2 | 94.2 | 95.8 | 97.5 | 98.3 | 98.3   | 98.3 |
| 100               |                            | 64.2 | 74.2 | 78.3 | 85.0 | 87.5 | 90.0 | 94.2 | 94.2 | 95.8 | 97.5 | 98.3 | 98.3   | 98.3 |
| 0                 |                            | 64.2 | 74.2 | 78.3 | 85.0 | 87.5 | 90.0 | 94.2 | 94.2 | 95.8 | 97.5 | 98.3 | 98.3   | 98.3 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234 - 18766

MMH

MMH

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWS

73-76

YEARS

NOV  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (L.S.T.)

4465

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 47.5                       | 54.2 | 60.0 | 61.7 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5   | 62.5 |
| AI AI             | 53.3                       | 61.7 | 67.5 | 69.2 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0   | 70.0 |
| 18000             | 53.3                       | 61.7 | 67.5 | 69.2 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0   | 70.0 |
| 16000             | 53.3                       | 61.7 | 67.5 | 69.2 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0   | 70.0 |
| AI AI             | 54.2                       | 62.5 | 68.3 | 70.0 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   | 70.8 |
| 14000             | 55.0                       | 63.3 | 69.2 | 70.8 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7   | 71.7 |
| AI AI             | 55.8                       | 64.2 | 70.8 | 72.5 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3   | 73.3 |
| 10000             | 55.8                       | 64.2 | 70.8 | 72.5 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3   | 73.3 |
| AI AI             | 60.0                       | 68.3 | 75.8 | 77.5 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3   | 78.3 |
| 8000              | 60.8                       | 69.2 | 76.7 | 79.2 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0   | 80.0 |
| AI AI             | 60.8                       | 69.2 | 76.7 | 79.2 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0   | 80.0 |
| 6000              | 61.7                       | 70.0 | 77.5 | 80.0 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3   | 83.3 |
| AI AI             | 63.3                       | 71.7 | 80.0 | 82.5 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8   | 85.8 |
| 4500              | 65.0                       | 74.2 | 82.5 | 85.8 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5   | 87.5 |
| AI AI             | 65.8                       | 75.0 | 83.3 | 86.7 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5   | 87.5 |
| 3500              | 67.5                       | 76.7 | 85.8 | 89.2 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0   | 90.0 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 2500              | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 1800              | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 1500              | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 1200              | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 1000              | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 900               | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 800               | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 700               | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 600               | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 500               | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 400               | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 300               | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 200               | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 100               | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| 0                 | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |
| AI AI             | 68.3                       | 77.5 | 86.7 | 90.0 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 |

TOTAL NUMBER OF OBSERVATIONS

120

## CEILING VERSUS VISIBILITY

13759  
STATION

CHARLESTON, SOUTH CAROLINA NASD

71-76

YEARS

NOV  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |      |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |
| ≥ 20000           | 57.5                       | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5   | 62.5 | 62.5 | 62.5 |
| 18000             | 63.3                       | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2   | 69.2 | 69.2 | 69.2 |
| 16000             | 63.3                       | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2   | 69.2 | 69.2 | 69.2 |
| 14000             | 63.3                       | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2   | 69.2 | 69.2 | 69.2 |
| 12000             | 65.0                       | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   | 70.8 | 70.8 | 70.8 |
| 10000             | 65.8                       | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7   | 71.7 | 71.7 | 71.7 |
| 9000              | 65.8                       | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7   | 71.7 | 71.7 | 71.7 |
| 8000              | 69.2                       | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0   | 75.0 | 75.0 | 75.0 |
| 7000              | 72.5                       | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 | 79.2 | 79.2 |
| 6000              | 72.5                       | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 | 79.2 | 79.2 |
| 5000              | 72.5                       | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 | 79.2 | 79.2 |
| 4500              | 72.5                       | 78.3 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2   | 79.2 | 79.2 | 79.2 |
| 4000              | 74.2                       | 80.0 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8   | 80.8 | 80.8 | 80.8 |
| 3500              | 74.2                       | 80.0 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7   | 81.7 | 81.7 | 81.7 |
| 3000              | 77.5                       | 85.0 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   | 86.7 | 86.7 | 86.7 |
| 2500              | 79.2                       | 86.7 | 88.3 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2   | 89.2 | 89.2 | 89.2 |
| 2000              | 80.8                       | 89.2 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 | 91.7 | 91.7 |
| 1800              | 80.8                       | 89.2 | 90.8 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 | 91.7 | 91.7 |
| 1500              | 80.8                       | 90.0 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3   | 93.3 | 93.3 | 93.3 |
| 1200              | 80.8                       | 90.8 | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 | 94.2 |
| 1000              | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 900               | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 800               | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 700               | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 600               | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 500               | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 400               | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 300               | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 200               | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 100               | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |
| 0                 | 80.8                       | 90.8 | 93.3 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0   | 95.0 | 95.0 | 95.0 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM



KKKK

5703 CEILING VERSUS VISIBILITY JAN 68

三

# CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

72-76

YEARS

DAY MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

16 HOURS (LST)

HOURS (L S T)

| CEILING<br>(FEET) |  | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |        |      |      |  |
|-------------------|--|----------------------------|------|------|------|------|------|------|------|------|------|------|--------|------|------|--|
|                   |  | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |  |
| NO CEILING        |  |                            |      |      |      |      |      |      |      |      |      |      |        |      |      |  |
| ≥ 20000           |  | 61.7                       | 63.3 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0   | 65.0 | 65.0 |  |
| ≥ 18000           |  | 66.7                       | 69.2 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   | 70.8 | 70.8 |  |
| ≥ 16000           |  | 66.7                       | 69.2 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   | 70.8 | 70.8 |  |
| ≥ 14000           |  | 66.7                       | 69.2 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8   | 70.8 | 70.8 |  |
| ≥ 12000           |  | 67.5                       | 70.0 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7   | 71.7 | 71.7 |  |
| ≥ 10000           |  | 68.3                       | 70.8 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5   | 72.5 | 72.5 |  |
| ≥ 9000            |  | 68.3                       | 70.8 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5   | 72.5 | 72.5 |  |
| ≥ 8000            |  | 73.3                       | 75.8 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5   | 77.5 | 77.5 |  |
| ≥ 7000            |  | 76.7                       | 79.2 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7   | 81.7 | 81.7 |  |
| ≥ 6000            |  | 76.7                       | 79.2 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7   | 81.7 | 81.7 |  |
| ≥ 5000            |  | 76.7                       | 79.2 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7   | 81.7 | 81.7 |  |
| ≥ 4500            |  | 76.7                       | 79.2 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7   | 81.7 | 81.7 |  |
| ≥ 4000            |  | 78.3                       | 80.8 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3   | 83.3 | 83.3 |  |
| ≥ 3500            |  | 81.7                       | 84.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7   | 86.7 | 86.7 |  |
| ≥ 3000            |  | 84.2                       | 86.7 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2   | 89.2 | 89.2 |  |
| ≥ 2500            |  | 85.8                       | 88.3 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8   | 90.8 | 90.8 |  |
| ≥ 2000            |  | 86.7                       | 89.2 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 | 91.7 |  |
| ≥ 1800            |  | 86.7                       | 89.2 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 | 91.7 |  |
| ≥ 1500            |  | 86.7                       | 89.2 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7   | 91.7 | 91.7 |  |
| ≥ 1200            |  | 86.7                       | 90.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5   | 92.5 | 92.5 |  |
| ≥ 1000            |  | 86.7                       | 90.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3   | 93.3 | 93.3 |  |
| ≥ 900             |  | 86.7                       | 90.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3   | 93.3 | 93.3 |  |
| ≥ 800             |  | 86.7                       | 90.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3   | 93.3 | 93.3 |  |
| ≥ 700             |  | 87.5                       | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |  |
| ≥ 600             |  | 87.5                       | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |  |
| ≥ 500             |  | 87.5                       | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |  |
| ≥ 400             |  | 87.5                       | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |  |
| ≥ 300             |  | 87.5                       | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |  |
| ≥ 200             |  | 87.5                       | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |  |
| ≥ 100             |  | 87.5                       | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |  |
| 0                 |  | 87.5                       | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2   | 94.2 | 94.2 |  |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-75

YEARS

NOV  
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            | 69.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| ≥ 20000           |                            | 69.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 18000             |                            | 69.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 16000             |                            | 69.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 14000             |                            | 69.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 12000             |                            | 70.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 10000             |                            | 71.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 9000              |                            | 72.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 8000              |                            | 76.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 7000              |                            | 76.7 | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 6000              |                            | 76.7 | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 5000              |                            | 77.5 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 4500              |                            | 77.5 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 4000              |                            | 77.5 | 82.5 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 3500              |                            | 79.2 | 85.0 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 3000              |                            | 80.0 | 85.8 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 2500              |                            | 80.8 | 86.7 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 2000              |                            | 81.7 | 88.3 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| 1800              |                            | 81.7 | 88.3 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| 1500              |                            | 82.5 | 89.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 1200              |                            | 83.3 | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 1000              |                            | 83.3 | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 900               |                            | 83.3 | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 800               |                            | 83.3 | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 700               |                            | 83.3 | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 600               |                            | 83.3 | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 500               |                            | 83.3 | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 400               |                            | 83.3 | 90.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 300               |                            | 83.3 | 90.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 200               |                            | 83.3 | 90.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 100               |                            | 83.3 | 90.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 0                 |                            | 83.3 | 90.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

# CEILING VERSUS VISIBILITY

2

13738  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (LST)

4461

MMMM

5703 CEILING VERSUS VISIBILITY JAN 68

MM

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |
| ≥ 20000           | 67.5                       | 70.0 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 71.7 | 71.7 | 72.5 | 72.5 | 72.5 |
| ≥ 18000           | 69.2                       | 71.7 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 73.3 | 73.3 | 74.2 | 74.2 | 74.2 |
| ≥ 16000           | 69.2                       | 71.7 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 73.3 | 73.3 | 74.2 | 74.2 | 74.2 |
| ≥ 14000           | 69.2                       | 71.7 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 73.3 | 73.3 | 74.2 | 74.2 | 74.2 |
| ≥ 12000           | 70.8                       | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.8 | 75.8 | 76.7 | 76.7 | 76.7 |
| ≥ 10000           | 73.3                       | 76.7 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 78.3 | 78.3 | 79.2 | 79.2 | 79.2 |
| ≥ 9000            | 73.3                       | 76.7 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 78.3 | 78.3 | 79.2 | 79.2 | 79.2 |
| ≥ 8000            | 77.5                       | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 84.2 | 84.2 | 84.2 |
| ≥ 7000            | 77.5                       | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 84.2 | 84.2 | 84.2 |
| ≥ 6000            | 77.5                       | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 84.2 | 84.2 | 84.2 |
| ≥ 5000            | 77.5                       | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 84.2 | 84.2 | 84.2 |
| ≥ 4500            | 77.5                       | 81.7 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 83.3 | 83.3 | 84.2 | 84.2 | 84.2 |
| ≥ 4000            | 79.2                       | 84.2 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.8 | 85.8 | 86.7 | 86.7 | 86.7 |
| ≥ 3500            | 80.8                       | 85.8 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 |
| ≥ 3000            | 80.8                       | 85.8 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 87.5 | 87.5 | 88.3 | 88.3 | 88.3 |
| ≥ 2500            | 82.5                       | 88.3 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 90.0 | 90.0 | 90.8 | 90.8 | 90.8 |
| ≥ 2000            | 85.8                       | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 94.2 | 94.2 | 94.2 |
| ≥ 1800            | 85.8                       | 91.7 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 93.3 | 93.3 | 94.2 | 94.2 | 94.2 |
| ≥ 1500            | 86.7                       | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 |
| ≥ 1200            | 86.7                       | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 |
| ≥ 1000            | 86.7                       | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 |
| ≥ 900             | 86.7                       | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 |
| ≥ 800             | 86.7                       | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 |
| ≥ 700             | 86.7                       | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 94.2 | 94.2 | 95.0 | 95.0 | 95.0 |
| ≥ 600             | 86.7                       | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 95.0 | 95.0 | 95.8 | 95.8 | 95.8 |
| ≥ 500             | 86.7                       | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 95.8 | 95.8 | 96.7 | 96.7 | 96.7 |
| ≥ 400             | 86.7                       | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 96.7 | 96.7 | 97.5 | 97.5 | 97.5 |
| ≥ 300             | 86.7                       | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 |
| ≥ 200             | 86.7                       | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 |
| ≥ 100             | 86.7                       | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 |
| 0                 | 86.7                       | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 98.3 | 98.3 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

120

NAVWEASERVCOM

MMMM

MMMM

## CEILING VERSUS VISIBILITY

13723  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

NOV  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 59.6                       | 62.8 | 64.9 | 65.5 | 65.9 | 66.3 | 66.8 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.6   | 67.7 |
| ≥ 18000           | 63.2                       | 67.2 | 69.3 | 69.9 | 69.9 | 70.3 | 70.6 | 71.2 | 71.2 | 71.6 | 71.8 | 71.8 | 72.0   | 72.1 |
| ≥ 16000           | 63.2                       | 67.2 | 69.3 | 69.9 | 69.9 | 70.3 | 70.6 | 71.2 | 71.2 | 71.6 | 71.8 | 71.8 | 72.0   | 72.1 |
| ≥ 14000           | 63.3                       | 67.3 | 69.4 | 70.0 | 70.0 | 70.4 | 70.7 | 71.3 | 71.3 | 71.6 | 71.8 | 71.8 | 72.0   | 72.1 |
| ≥ 12000           | 64.4                       | 68.4 | 70.5 | 71.2 | 71.2 | 71.6 | 71.9 | 72.4 | 72.4 | 72.8 | 73.0 | 73.0 | 73.2   | 73.3 |
| ≥ 10000           | 65.8                       | 69.9 | 72.2 | 72.9 | 73.3 | 73.7 | 74.2 | 74.6 | 74.6 | 74.8 | 74.8 | 75.0 | 75.0   | 75.1 |
| ≥ 9000            | 65.9                       | 70.0 | 72.3 | 73.0 | 73.4 | 73.8 | 74.3 | 74.7 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1   | 75.2 |
| ≥ 8000            | 70.1                       | 74.6 | 77.0 | 77.9 | 78.4 | 78.8 | 79.3 | 79.7 | 79.9 | 79.9 | 80.1 | 80.1 | 80.2   | 80.5 |
| ≥ 7000            | 71.3                       | 75.7 | 78.4 | 79.5 | 80.0 | 80.3 | 80.8 | 81.3 | 81.5 | 81.5 | 81.7 | 81.7 | 81.8   | 82.1 |
| ≥ 6000            | 71.3                       | 75.7 | 78.4 | 79.5 | 80.0 | 80.3 | 80.8 | 81.3 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7   | 82.1 |
| ≥ 5000            | 71.4                       | 75.8 | 78.5 | 79.6 | 80.1 | 80.4 | 80.9 | 81.4 | 81.6 | 81.6 | 81.6 | 81.8 | 81.8   | 82.2 |
| ≥ 4500            | 71.7                       | 76.2 | 78.9 | 79.9 | 80.4 | 80.7 | 81.3 | 81.7 | 81.9 | 81.9 | 82.1 | 82.1 | 82.2   | 82.5 |
| ≥ 4000            | 73.0                       | 77.6 | 80.4 | 81.5 | 82.0 | 82.3 | 82.8 | 83.2 | 83.4 | 83.4 | 83.7 | 83.7 | 83.8   | 84.1 |
| ≥ 3500            | 74.4                       | 79.2 | 82.1 | 83.1 | 83.7 | 84.0 | 84.5 | 84.9 | 85.1 | 85.1 | 85.3 | 85.3 | 85.4   | 85.7 |
| ≥ 3000            | 75.5                       | 80.7 | 83.7 | 84.9 | 85.5 | 85.8 | 86.4 | 86.8 | 87.0 | 87.0 | 87.2 | 87.2 | 87.3   | 87.6 |
| ≥ 2500            | 76.8                       | 82.3 | 85.3 | 86.9 | 87.6 | 87.9 | 88.4 | 88.9 | 89.1 | 89.1 | 89.3 | 89.3 | 89.4   | 89.7 |
| ≥ 2000            | 78.4                       | 84.2 | 87.6 | 89.1 | 89.8 | 90.2 | 90.7 | 91.2 | 91.4 | 91.4 | 91.6 | 91.6 | 91.7   | 92.0 |
| ≥ 1800            | 78.4                       | 84.2 | 87.6 | 89.1 | 89.8 | 90.2 | 90.7 | 91.2 | 91.4 | 91.4 | 91.6 | 91.6 | 91.7   | 92.0 |
| ≥ 1500            | 79.0                       | 85.3 | 89.1 | 90.8 | 91.7 | 92.1 | 92.6 | 93.1 | 93.3 | 93.3 | 93.5 | 93.5 | 93.7   | 94.0 |
| ≥ 1200            | 79.1                       | 85.7 | 89.5 | 91.3 | 92.1 | 92.5 | 93.0 | 93.5 | 93.8 | 93.8 | 94.0 | 94.0 | 94.1   | 94.4 |
| ≥ 1000            | 79.3                       | 85.9 | 89.8 | 91.9 | 92.9 | 93.3 | 93.9 | 94.4 | 94.6 | 94.6 | 94.8 | 94.8 | 94.9   | 95.2 |
| ≥ 900             | 79.3                       | 85.9 | 89.8 | 91.9 | 92.9 | 93.4 | 94.0 | 94.5 | 94.7 | 94.7 | 94.9 | 94.9 | 95.0   | 95.3 |
| ≥ 800             | 79.3                       | 85.9 | 89.8 | 91.9 | 92.9 | 93.4 | 94.0 | 94.5 | 94.7 | 94.7 | 94.9 | 94.9 | 95.0   | 95.3 |
| ≥ 700             | 79.4                       | 86.0 | 89.9 | 92.0 | 93.1 | 93.5 | 94.1 | 94.6 | 94.8 | 94.8 | 95.0 | 95.0 | 95.1   | 95.4 |
| ≥ 600             | 79.4                       | 86.0 | 89.9 | 92.1 | 93.2 | 93.8 | 94.4 | 95.0 | 95.2 | 95.2 | 95.4 | 95.4 | 95.5   | 95.9 |
| ≥ 500             | 79.4                       | 86.2 | 90.0 | 92.3 | 93.7 | 94.3 | 94.9 | 95.5 | 95.7 | 95.7 | 95.9 | 95.9 | 96.0   | 96.5 |
| ≥ 400             | 79.4                       | 86.2 | 90.0 | 92.5 | 93.9 | 94.8 | 95.4 | 96.0 | 96.3 | 96.3 | 96.5 | 96.5 | 96.6   | 97.0 |
| ≥ 300             | 79.4                       | 86.2 | 90.1 | 92.7 | 94.4 | 95.7 | 96.9 | 97.6 | 98.0 | 98.0 | 98.3 | 98.3 | 98.4   | 98.9 |
| ≥ 200             | 79.4                       | 86.2 | 90.1 | 92.8 | 94.6 | 95.9 | 97.1 | 97.8 | 98.2 | 98.2 | 98.7 | 98.7 | 98.8   | 99.2 |
| ≥ 100             | 79.4                       | 86.2 | 90.1 | 92.8 | 94.6 | 95.9 | 97.1 | 97.8 | 98.2 | 98.2 | 98.7 | 98.7 | 98.9   | 99.5 |
| ≥ 0               | 79.4                       | 86.2 | 90.1 | 92.8 | 94.6 | 95.9 | 97.1 | 97.8 | 98.2 | 98.2 | 98.7 | 98.7 | 98.9   | 99.5 |

TOTAL NUMBER OF OBSERVATIONS

960

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

HHH

HHH



## CEILING VERSUS VISIBILITY

13758 STATION CHARLESTON, SOUTH CAROLINA NWSE 71-76 YEARS MONTH DEC

 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

01 HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 0  |
| NO CEILING        |                            | 55.7 | 56.5 | 56.5 | 56.5 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| ≥ 20000           |                            | 58.1 | 58.9 | 58.9 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 60.5 | 60.5 | 60.5 | 60.5 |
| ≥ 18000           |                            | 58.1 | 58.9 | 58.9 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 60.5 | 60.5 | 60.5 | 60.5 |
| ≥ 16000           |                            | 58.1 | 58.9 | 58.9 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 60.5 | 60.5 | 60.5 | 60.5 |
| ≥ 14000           |                            | 58.1 | 58.9 | 58.9 | 58.9 | 59.7 | 59.7 | 59.7 | 59.7 | 60.5 | 60.5 | 60.5 | 60.5 |
| ≥ 12000           |                            | 58.9 | 59.7 | 59.7 | 59.7 | 60.5 | 60.5 | 60.5 | 60.5 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 10000           |                            | 60.5 | 61.3 | 61.3 | 61.3 | 62.1 | 62.1 | 62.1 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 |
| ≥ 9000            |                            | 60.5 | 61.3 | 61.3 | 61.3 | 62.1 | 62.1 | 62.1 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 |
| 8000              |                            | 63.7 | 65.3 | 65.3 | 65.3 | 66.9 | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 |
| 7000              |                            | 64.5 | 66.1 | 66.1 | 66.1 | 67.7 | 67.7 | 67.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 |
| 6000              |                            | 64.5 | 66.1 | 66.1 | 66.1 | 67.7 | 67.7 | 67.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 |
| 5000              |                            | 64.5 | 66.1 | 66.1 | 66.1 | 67.7 | 67.7 | 67.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 |
| 4500              |                            | 65.3 | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 |
| 4000              |                            | 67.7 | 69.4 | 69.4 | 69.4 | 70.2 | 71.0 | 71.0 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 |
| 3500              |                            | 70.2 | 72.6 | 72.6 | 72.6 | 74.2 | 74.2 | 74.2 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 |
| 3000              |                            | 71.8 | 74.2 | 75.0 | 75.0 | 75.8 | 76.6 | 76.6 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 |
| 2500              |                            | 73.4 | 76.6 | 77.4 | 77.4 | 79.0 | 79.8 | 79.8 | 79.8 | 80.7 | 80.7 | 80.7 | 80.7 |
| 2000              |                            | 77.4 | 80.7 | 83.1 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 |
| 1800              |                            | 77.4 | 80.7 | 83.1 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 |
| 1500              |                            | 79.0 | 82.3 | 84.7 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 |
| 1200              |                            | 79.0 | 82.3 | 84.7 | 86.3 | 87.1 | 87.1 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 |
| 1000              |                            | 79.8 | 83.1 | 87.1 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 |
| 900               |                            | 79.8 | 83.1 | 87.1 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 |
| 800               |                            | 79.8 | 83.1 | 87.1 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 |
| 700               |                            | 79.8 | 83.1 | 87.1 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 |
| 600               |                            | 79.8 | 83.1 | 87.1 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 |
| 500               |                            | 79.8 | 83.1 | 87.1 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.9 | 91.9 | 91.9 | 91.9 |
| 400               |                            | 80.7 | 84.7 | 91.1 | 93.6 | 95.2 | 95.2 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 |
| 300               |                            | 80.7 | 84.7 | 91.1 | 94.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 |
| 200               |                            | 80.7 | 84.7 | 91.1 | 94.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 |
| 100               |                            | 80.7 | 84.7 | 91.1 | 94.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 |
| 0                 |                            | 80.7 | 84.7 | 91.1 | 94.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 |

TOTAL NUMBER OF OBSERVATIONS

124



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)04  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  |
| NO CEILING        |                            | 56.5 | 57.3 | 58.9 | 60.5 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 20000           |                            | 58.1 | 58.9 | 60.5 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 18000             |                            | 58.1 | 58.9 | 60.5 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 16000             |                            | 58.1 | 58.9 | 60.5 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 14000             |                            | 58.1 | 58.9 | 60.5 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 12000             |                            | 58.9 | 59.7 | 61.3 | 62.9 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 10000             |                            | 60.5 | 61.3 | 62.9 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 9000              |                            | 60.5 | 61.3 | 62.9 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 8000              |                            | 63.7 | 65.3 | 66.9 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 7000              |                            | 64.5 | 66.1 | 67.7 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 6000              |                            | 64.5 | 66.1 | 67.7 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 5000              |                            | 64.5 | 66.1 | 67.7 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 4500              |                            | 64.5 | 66.1 | 67.7 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 4000              |                            | 65.3 | 66.9 | 68.6 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 3500              |                            | 67.7 | 69.4 | 71.8 | 74.2 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 3000              |                            | 69.4 | 71.0 | 74.2 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 2500              |                            | 71.0 | 72.6 | 75.8 | 78.2 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| 2000              |                            | 74.2 | 75.8 | 79.8 | 82.3 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 1800              |                            | 74.2 | 75.8 | 79.8 | 82.3 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 1500              |                            | 77.4 | 79.8 | 83.9 | 86.3 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 1200              |                            | 77.4 | 79.8 | 83.9 | 86.3 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 1000              |                            | 77.4 | 80.7 | 84.7 | 87.9 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 900               |                            | 77.4 | 80.7 | 84.7 | 87.9 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 800               |                            | 79.0 | 82.3 | 86.3 | 89.5 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 700               |                            | 79.0 | 82.3 | 86.3 | 89.5 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 600               |                            | 79.0 | 82.3 | 86.3 | 89.5 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 500               |                            | 79.0 | 82.3 | 87.1 | 91.1 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 400               |                            | 79.8 | 83.1 | 89.5 | 93.6 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 300               |                            | 79.8 | 83.1 | 89.5 | 93.6 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 200               |                            | 79.8 | 83.1 | 89.5 | 93.6 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 100               |                            | 79.8 | 83.1 | 89.5 | 93.6 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 0                 |                            | 79.8 | 83.1 | 89.5 | 93.6 | 96.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |

MMHM

5703 CEILING VERSUS VISIBILITY JAN 68

MMHM

1234 - 18766

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

12728  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

72-76

YEARS

DEC  
MONTH07  
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           |                            | 44.4 | 46.0 | 47.6 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.8 | 50.8 | 50.8 | 50.8   | 50.8 |
| 18000             |                            | 48.4 | 50.8 | 52.4 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7 |
| 16000             |                            | 48.4 | 50.8 | 52.4 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7 |
| 14000             |                            | 48.4 | 50.8 | 52.4 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7 |
| 12000             |                            | 48.4 | 50.8 | 52.4 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7 |
| 10000             |                            | 49.2 | 51.6 | 54.0 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 57.3 | 57.3 | 57.3 | 57.3   | 57.3 |
| 9000              |                            | 50.0 | 52.4 | 54.8 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 58.1 | 58.1 | 58.1 | 58.1   | 58.1 |
| 8000              |                            | 50.8 | 53.2 | 55.7 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.9 | 58.9 | 58.9 | 58.9   | 58.9 |
| 7000              |                            | 55.7 | 58.1 | 60.5 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 63.7 | 63.7 | 63.7 | 63.7   | 63.7 |
| 6000              |                            | 57.3 | 59.7 | 62.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3   | 65.3 |
| 5000              |                            | 57.3 | 59.7 | 62.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3   | 65.3 |
| 4500              |                            | 57.3 | 59.7 | 62.1 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3   | 65.3 |
| 4000              |                            | 59.7 | 62.1 | 64.5 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7   | 67.7 |
| 3500              |                            | 61.3 | 64.5 | 66.9 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 70.2 | 70.2 | 70.2 | 70.2   | 70.2 |
| 3000              |                            | 62.9 | 66.9 | 69.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 72.6 | 72.6 | 72.6 | 72.6   | 72.6 |
| 2500              |                            | 66.9 | 71.8 | 74.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 78.2 | 78.2 | 78.2 | 78.2   | 78.2 |
| 2000              |                            | 69.4 | 74.2 | 76.6 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 80.7 | 80.7 | 80.7 | 80.7   | 80.7 |
| 1800              |                            | 69.4 | 74.2 | 76.6 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 80.7 | 80.7 | 80.7 | 80.7   | 80.7 |
| 1500              |                            | 71.8 | 77.4 | 79.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.7 | 84.7 | 84.7 | 84.7   | 84.7 |
| 1200              |                            | 72.6 | 79.0 | 81.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 |
| 1000              |                            | 72.6 | 79.0 | 81.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 |
| 900               |                            | 72.6 | 79.0 | 81.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 |
| 800               |                            | 73.4 | 80.7 | 84.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| 700               |                            | 73.4 | 80.7 | 84.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 |
| 600               |                            | 74.2 | 81.5 | 85.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 |
| 500               |                            | 74.2 | 81.5 | 85.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 |
| 400               |                            | 74.2 | 81.5 | 85.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 |
| 300               |                            | 75.0 | 83.1 | 87.9 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 |
| 200               |                            | 75.0 | 83.1 | 87.9 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 |
| 100               |                            | 75.0 | 83.1 | 87.9 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 |
| 0                 |                            | 75.0 | 83.1 | 87.9 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 |

TOTAL NUMBER OF OBSERVATIONS

124

## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NAWS

73-75

YEARS

DEC  
MONTH10  
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ ¼  |
| NO CEILING        |                            | 36.3 | 41.9 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| ≥ 20000           |                            | 45.2 | 50.8 | 52.4 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 18000           |                            | 45.2 | 50.8 | 52.4 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 16000           |                            | 45.2 | 50.8 | 52.4 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 14000           |                            | 45.2 | 50.8 | 52.4 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 12000           |                            | 46.8 | 52.4 | 54.0 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| ≥ 10000           |                            | 46.8 | 52.4 | 54.0 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| ≥ 9000            |                            | 48.4 | 54.0 | 55.7 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 8000            |                            | 54.8 | 61.3 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| ≥ 7000            |                            | 55.7 | 62.1 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 6000            |                            | 55.7 | 62.1 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 5000            |                            | 56.5 | 62.9 | 65.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 4500            |                            | 56.5 | 62.9 | 65.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 4000            |                            | 58.1 | 64.5 | 66.9 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| ≥ 3500            |                            | 58.9 | 65.3 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 3000            |                            | 60.5 | 67.7 | 70.2 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 2500            |                            | 64.5 | 72.6 | 75.0 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥ 2000            |                            | 66.9 | 75.8 | 79.0 | 79.8 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 1800            |                            | 66.9 | 75.8 | 79.0 | 79.8 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 1500            |                            | 70.2 | 79.8 | 83.1 | 83.9 | 84.7 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥ 1200            |                            | 70.2 | 79.8 | 83.9 | 84.7 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 1000            |                            | 71.0 | 80.7 | 86.3 | 87.1 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 900             |                            | 71.0 | 80.7 | 86.3 | 87.1 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 800             |                            | 71.8 | 82.3 | 88.7 | 90.3 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 700             |                            | 71.8 | 82.3 | 88.7 | 90.3 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 600             |                            | 71.8 | 82.3 | 88.7 | 90.3 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 500             |                            | 72.6 | 83.9 | 90.3 | 92.7 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 400             |                            | 72.6 | 83.9 | 91.1 | 93.6 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 300             |                            | 72.6 | 83.9 | 91.9 | 94.4 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 200             |                            | 72.6 | 83.9 | 91.9 | 94.4 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 100             |                            | 72.6 | 83.9 | 91.9 | 94.4 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 0                 |                            | 72.6 | 83.9 | 91.9 | 94.4 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NNM

NNM



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

72-76

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (LST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  |
| NO CEILING        |                            | 41.9 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 20000           |                            | 50.0 | 50.8 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 18000             |                            | 50.0 | 50.8 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 16000             |                            | 50.0 | 50.8 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 14000             |                            | 50.8 | 51.6 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 12000             |                            | 50.8 | 51.6 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 10000             |                            | 52.4 | 53.2 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| 9000              |                            | 53.2 | 54.0 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 8000              |                            | 59.7 | 62.1 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 7000              |                            | 61.3 | 63.7 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| 6000              |                            | 62.1 | 64.5 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 5000              |                            | 62.9 | 65.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| 4500              |                            | 63.7 | 66.1 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| 4000              |                            | 67.7 | 71.0 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 3500              |                            | 72.6 | 75.8 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 3000              |                            | 75.0 | 78.2 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| 2500              |                            | 77.4 | 82.3 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 2000              |                            | 78.2 | 83.1 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 1800              |                            | 78.2 | 83.1 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 1500              |                            | 79.8 | 84.7 | 86.3 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 1200              |                            | 79.8 | 85.5 | 87.1 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 1000              |                            | 79.8 | 85.5 | 87.9 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 900               |                            | 79.8 | 85.5 | 87.9 | 90.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 800               |                            | 81.5 | 87.1 | 89.5 | 92.7 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 700               |                            | 81.5 | 87.9 | 91.1 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 600               |                            | 81.5 | 87.9 | 91.1 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 500               |                            | 81.5 | 88.7 | 91.9 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 400               |                            | 81.5 | 88.7 | 91.9 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 300               |                            | 81.5 | 88.7 | 91.9 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 200               |                            | 81.5 | 88.7 | 91.9 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100               |                            | 81.5 | 88.7 | 91.9 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0                 |                            | 81.5 | 88.7 | 91.9 | 98.4 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

4455

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNNN

NNP



## CEILING VERSUS VISIBILITY

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

74-76

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |     |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|-----|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |     |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |      | MHM |
| ≥ 20000           | 43.6                       | 44.4 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0   | 46.0 | 46.0 |     |
| ≥ 18000           | 51.6                       | 52.4 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0   | 54.0 | 54.0 |     |
| ≥ 16000           | 51.6                       | 52.4 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0   | 54.0 | 54.0 |     |
| ≥ 14000           | 51.6                       | 52.4 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0   | 54.0 | 54.0 |     |
| ≥ 12000           | 53.2                       | 54.0 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7 | 55.7 |     |
| ≥ 10000           | 54.0                       | 54.8 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3   | 57.3 | 57.3 |     |
| ≥ 9000            | 55.7                       | 56.5 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9   | 58.9 | 58.9 |     |
| ≥ 8000            | 55.7                       | 56.5 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9   | 58.9 | 58.9 |     |
| ≥ 7000            | 59.7                       | 60.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7   | 63.7 | 63.7 |     |
| ≥ 6000            | 61.3                       | 62.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3   | 65.3 | 65.3 |     |
| ≥ 5000            | 62.1                       | 62.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1   | 66.1 | 66.1 |     |
| ≥ 4500            | 62.1                       | 62.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1   | 66.1 | 66.1 |     |
| ≥ 4000            | 62.9                       | 63.7 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9   | 66.9 | 66.9 |     |
| ≥ 3500            | 64.5                       | 66.1 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 | 69.4 |     |
| ≥ 3000            | 67.7                       | 70.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4   | 73.4 | 73.4 |     |
| ≥ 2500            | 75.8                       | 78.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5   | 81.5 | 81.5 |     |
| ≥ 2000            | 80.7                       | 83.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 | 86.3 |     |
| ≥ 1800            | 82.3                       | 84.7 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 | 87.9 |     |
| ≥ 1500            | 82.3                       | 84.7 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 | 87.9 |     |
| ≥ 1200            | 83.1                       | 85.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3   | 90.3 | 90.3 |     |
| ≥ 1000            | 83.1                       | 86.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 | 91.1 |     |
| ≥ 900             | 83.1                       | 86.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 | 91.1 |     |
| ≥ 800             | 83.1                       | 87.1 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9   | 91.9 | 91.9 |     |
| ≥ 700             | 83.1                       | 87.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7   | 92.7 | 92.7 |     |
| ≥ 600             | 83.1                       | 88.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 | 94.4 |     |
| ≥ 500             | 83.1                       | 88.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |     |
| ≥ 400             | 83.1                       | 88.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |     |
| ≥ 300             | 83.1                       | 88.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |     |
| ≥ 200             | 83.1                       | 88.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |     |
| ≥ 100             | 83.1                       | 88.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |     |
| ≥ 0               | 83.1                       | 88.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2   | 95.2 | 95.2 |     |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

HNP

## CEILING VERSUS VISIBILITY

13753  
STATION

CHARLESTON, SOUTH CAROLINA NMSEB 73-76

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)19  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  |
| NO CEILING        |                            |      |      |      |      |      |      |      |      |      |      |      |        |      |
| ≥ 20000           | 50.0                       | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0   | 50.0 |
| ≥ 18000           | 57.3                       | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1   | 58.1 |
| ≥ 16000           | 57.3                       | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1   | 58.1 |
| ≥ 14000           | 57.3                       | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1   | 58.1 |
| ≥ 12000           | 57.3                       | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1   | 58.1 |
| ≥ 10000           | 58.1                       | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9   | 58.9 |
| ≥ 9000            | 59.7                       | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 |
| ≥ 8000            | 59.7                       | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 |
| ≥ 7000            | 64.5                       | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1   | 66.1 |
| ≥ 6000            | 65.3                       | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9   | 66.9 |
| ≥ 5000            | 65.3                       | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9   | 66.9 |
| ≥ 4500            | 65.3                       | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9   | 66.9 |
| ≥ 4000            | 69.4                       | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 |
| ≥ 3500            | 71.0                       | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6   | 72.6 |
| ≥ 3000            | 77.4                       | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0   | 79.0 |
| ≥ 2500            | 81.5                       | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1   | 83.1 |
| ≥ 2000            | 84.7                       | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 |
| ≥ 1800            | 84.7                       | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 |
| ≥ 1500            | 84.7                       | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 |
| ≥ 1200            | 84.7                       | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1   | 87.1 |
| ≥ 1000            | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 900             | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 800             | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 700             | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 600             | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 500             | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 400             | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 300             | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 200             | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| ≥ 100             | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |
| 0                 | 85.5                       | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 |

TOTAL NUMBER OF OBSERVATIONS

124

4453

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

MMH

## CEILING VERSUS VISIBILITY

1375R  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)22  
HOURS (L.S.T.)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      |      |  |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|--|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0  |  |
| NO CEILING        |                            | 54.0 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7   | 55.7 | 55.7 |  |
| ≥ 20000           |                            | 58.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 | 60.5 |  |
| 18000             | AI AI                      | 58.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 | 60.5 |  |
| 16000             | AI AI                      | 58.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 | 60.5 |  |
| 14000             | AI AI                      | 58.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5   | 60.5 | 60.5 |  |
| 12000             | AI AI                      | 61.3 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9   | 62.9 | 62.9 |  |
| 10000             | AI AI                      | 62.1 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7   | 63.7 | 63.7 |  |
| 9000              | AI AI                      | 62.1 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7   | 63.7 | 63.7 |  |
| 8000              | AI AI                      | 64.5 | 67.7 | 67.7 | 67.7 | 67.7 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6   | 68.6 | 68.6 |  |
| 7000              | AI AI                      | 64.5 | 68.6 | 68.6 | 68.6 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 | 69.4 |  |
| 6000              | AI AI                      | 64.5 | 68.6 | 68.6 | 68.6 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 | 69.4 |  |
| 5000              | AI AI                      | 64.5 | 68.6 | 68.6 | 68.6 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 | 69.4 |  |
| 4500              | AI AI                      | 64.5 | 68.6 | 68.6 | 68.6 | 68.6 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4   | 69.4 | 69.4 |  |
| 4000              | AI AI                      | 66.1 | 70.2 | 70.2 | 70.2 | 70.2 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0   | 71.0 | 71.0 |  |
| 3500              | AI AI                      | 66.6 | 72.6 | 73.4 | 73.4 | 73.4 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2 | 74.2 |  |
| 3000              | AI AI                      | 73.4 | 77.4 | 79.0 | 79.0 | 79.8 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7   | 80.7 | 80.7 |  |
| 2500              | AI AI                      | 75.8 | 80.7 | 82.3 | 83.1 | 83.1 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9   | 83.9 | 83.9 |  |
| 2000              | AI AI                      | 77.4 | 82.3 | 84.7 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 | 86.3 |  |
| 1800              | AI AI                      | 77.4 | 82.3 | 84.7 | 85.5 | 85.5 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3   | 86.3 | 86.3 |  |
| 1500              | AI AI                      | 79.0 | 83.9 | 86.3 | 87.1 | 87.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9   | 87.9 | 87.9 |  |
| 1200              | AI AI                      | 79.0 | 83.9 | 87.1 | 87.9 | 87.9 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7   | 88.7 | 88.7 |  |
| 1000              | AI AI                      | 79.8 | 84.7 | 88.7 | 89.5 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 | 91.1 |  |
| 900               | AI AI                      | 79.8 | 84.7 | 88.7 | 89.5 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 | 91.1 |  |
| 800               | AI AI                      | 79.8 | 84.7 | 88.7 | 89.5 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 | 91.1 |  |
| 700               | AI AI                      | 79.8 | 84.7 | 88.7 | 89.5 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 | 91.1 |  |
| 600               | AI AI                      | 79.8 | 84.7 | 88.7 | 89.5 | 89.5 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1   | 91.1 | 91.1 |  |
| 500               | AI AI                      | 79.8 | 84.7 | 90.3 | 91.9 | 91.9 | 93.6 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4   | 94.4 | 94.4 |  |
| 400               | AI AI                      | 79.8 | 85.5 | 91.1 | 93.6 | 94.4 | 96.0 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8   | 96.8 | 96.8 |  |
| 300               | AI AI                      | 79.8 | 85.5 | 91.1 | 93.6 | 94.4 | 96.0 | 96.0 | 96.8 | 97.6 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |  |
| 200               | AI AI                      | 79.8 | 85.5 | 91.1 | 93.6 | 94.4 | 96.0 | 96.0 | 96.8 | 97.6 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |  |
| 100               | AI AI                      | 79.8 | 85.5 | 91.1 | 93.6 | 94.4 | 96.0 | 96.0 | 96.8 | 97.6 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |  |
| 0                 | AI AI                      | 79.8 | 85.5 | 91.1 | 93.6 | 94.4 | 96.0 | 96.0 | 96.8 | 97.6 | 98.4 | 98.4 | 98.4   | 98.4 | 98.4 |  |

TOTAL NUMBER OF OBSERVATIONS

124

NAVWEASERVCOM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

MHH

MHH



## CEILING VERSUS VISIBILITY

13728  
STATION

CHARLESTON, SOUTH CAROLINA NWSE 73-76

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (CST)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 |
| NO CEILING        |                            | 47.8 | 49.3 | 50.1 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9   |
| ≥ 20000           |                            | 53.4 | 55.1 | 56.1 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1   |
| 18000             | AI                         | 53.4 | 55.1 | 56.1 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1   |
| 16000             | AI                         | 53.4 | 55.1 | 56.1 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1   |
| 14000             | AI                         | 53.7 | 55.4 | 56.4 | 57.0 | 57.2 | 57.2 | 57.2 | 57.2 | 57.4 | 57.4 | 57.4 | 57.4   |
| 12000             | AI                         | 54.7 | 56.5 | 57.6 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.6 | 58.6 | 58.6 | 58.6   |
| 10000             | AI                         | 56.0 | 57.7 | 58.8 | 59.4 | 59.6 | 59.6 | 59.6 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8   |
| 9000              | AI                         | 56.4 | 58.1 | 59.2 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2   |
| 8000              | AI                         | 60.8 | 63.3 | 64.8 | 65.4 | 65.7 | 65.7 | 65.7 | 65.7 | 66.0 | 66.0 | 66.0 | 66.0   |
| 7000              | AI                         | 61.8 | 64.4 | 65.7 | 66.5 | 66.7 | 66.8 | 66.8 | 66.8 | 67.1 | 67.1 | 67.1 | 67.1   |
| 6000              | AI                         | 62.0 | 64.6 | 65.9 | 66.7 | 66.9 | 67.0 | 67.0 | 67.0 | 67.3 | 67.3 | 67.3 | 67.3   |
| 5000              | AI                         | 62.2 | 64.8 | 66.1 | 66.9 | 67.1 | 67.2 | 67.2 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5   |
| 4500              | AI                         | 62.5 | 65.1 | 66.4 | 67.2 | 67.4 | 67.5 | 67.5 | 67.5 | 67.8 | 67.8 | 67.8 | 67.8   |
| 4000              | AI                         | 64.8 | 67.6 | 69.0 | 69.8 | 70.1 | 70.1 | 70.1 | 70.1 | 70.4 | 70.4 | 70.4 | 70.4   |
| 3500              | AI                         | 67.2 | 70.4 | 71.9 | 72.7 | 72.9 | 73.1 | 73.1 | 73.1 | 73.4 | 73.4 | 73.4 | 73.4   |
| 3000              | AI                         | 70.8 | 74.1 | 76.0 | 77.0 | 77.5 | 77.7 | 77.7 | 77.7 | 78.0 | 78.0 | 78.0 | 78.0   |
| 2500              | AI                         | 73.9 | 77.8 | 79.7 | 81.0 | 81.5 | 81.7 | 81.7 | 81.7 | 82.0 | 82.0 | 82.0 | 82.0   |
| 2000              | AI                         | 76.3 | 80.3 | 82.8 | 84.0 | 84.5 | 84.8 | 84.8 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1   |
| 1800              | AI                         | 76.3 | 80.3 | 82.8 | 84.0 | 84.5 | 84.8 | 84.8 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1   |
| 1500              | AI                         | 78.1 | 82.6 | 85.2 | 86.6 | 87.3 | 87.8 | 87.9 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2   |
| 1200              | AI                         | 78.2 | 83.0 | 85.8 | 87.3 | 88.0 | 88.5 | 88.6 | 88.6 | 88.9 | 88.9 | 88.9 | 88.9   |
| 1000              | AI                         | 78.6 | 83.5 | 86.9 | 88.7 | 89.9 | 90.6 | 90.7 | 90.7 | 91.1 | 91.1 | 91.1 | 91.1   |
| 900               | AI                         | 79.2 | 84.4 | 89.1 | 90.2 | 91.5 | 92.2 | 92.3 | 92.3 | 92.8 | 93.0 | 93.0 | 93.0   |
| 800               | AI                         | 79.2 | 84.4 | 89.1 | 90.2 | 91.5 | 92.2 | 92.3 | 92.3 | 92.8 | 93.0 | 93.0 | 93.0   |
| 700               | AI                         | 79.2 | 84.6 | 88.4 | 90.7 | 92.0 | 92.7 | 92.8 | 92.8 | 93.4 | 93.6 | 93.6 | 93.6   |
| 600               | AI                         | 79.3 | 84.8 | 88.8 | 91.2 | 92.5 | 93.4 | 93.6 | 93.6 | 94.1 | 94.3 | 94.3 | 94.3   |
| 500               | AI                         | 79.4 | 85.2 | 89.9 | 92.7 | 94.4 | 95.2 | 95.4 | 95.4 | 95.9 | 96.1 | 96.2 | 96.3   |
| 400               | AI                         | 79.6 | 85.6 | 90.8 | 93.8 | 95.5 | 96.5 | 96.9 | 96.9 | 97.4 | 97.6 | 97.7 | 97.8   |
| 300               | AI                         | 79.7 | 85.7 | 91.0 | 94.5 | 96.2 | 97.2 | 97.7 | 97.7 | 98.3 | 98.7 | 98.9 | 99.1   |
| 200               | AI                         | 79.7 | 85.7 | 91.0 | 94.5 | 96.2 | 97.2 | 97.7 | 97.7 | 98.3 | 98.7 | 98.9 | 99.2   |
| 100               | AI                         | 79.7 | 85.7 | 91.0 | 94.5 | 96.2 | 97.2 | 97.7 | 97.7 | 98.3 | 98.7 | 98.9 | 99.4   |
| 0                 | AI                         | 79.7 | 85.7 | 91.0 | 94.5 | 96.2 | 97.2 | 97.7 | 97.7 | 98.3 | 98.7 | 98.9 | 99.0   |
|                   |                            |      |      |      |      |      |      |      |      |      |      |      |        |

TOTAL NUMBER OF OBSERVATIONS

992



## CEILING VERSUS VISIBILITY

STATION NAME CHARLESTON, SOUTH CAROLINA NWSE 73-76 YEARS MONTH ALL HOURS (LST) ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>(FEET) | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |        |      | TOTAL |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
|                   | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2½ | ≥ 2  | ≥ 1½ | ≥ 1¼ | ≥ 1  | ≥ ¾  | ≥ ½  | ≥ 5/16 | ≥ ¼  | ≥ 0   |
| NO CEILING        | 45.3                       | 50.9 | 53.4 | 54.4 | 54.6 | 54.9 | 55.0 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2   | 55.2 | 55.3  |
| ≥ 20000           | 53.7                       | 59.7 | 62.7 | 63.7 | 64.0 | 64.3 | 64.4 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.7   | 64.7 | 64.8  |
| ≥ 18000           | 53.8                       | 59.7 | 62.8 | 63.8 | 64.1 | 64.4 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.7 | 64.7   | 64.8 | 64.9  |
| ≥ 16000           | 53.8                       | 59.7 | 62.8 | 63.8 | 64.1 | 64.4 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.7 | 64.7   | 64.8 | 64.9  |
| ≥ 14000           | 54.1                       | 60.1 | 63.1 | 64.2 | 64.4 | 64.7 | 64.9 | 64.9 | 65.0 | 65.0 | 65.0 | 65.1 | 65.1   | 65.1 | 65.2  |
| ≥ 12000           | 54.6                       | 60.9 | 64.0 | 65.0 | 65.3 | 65.6 | 65.7 | 65.7 | 65.8 | 65.9 | 65.9 | 65.9 | 66.0   | 66.0 | 66.1  |
| ≥ 10000           | 56.6                       | 63.1 | 66.3 | 67.4 | 67.7 | 68.0 | 68.1 | 68.1 | 68.2 | 68.3 | 68.3 | 68.3 | 68.4   | 68.4 | 68.5  |
| ≥ 9000            | 57.9                       | 63.5 | 66.8 | 67.9 | 68.1 | 68.5 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.8 | 68.9   | 68.9 | 69.0  |
| ≥ 8000            | 62.0                       | 69.3 | 72.9 | 74.1 | 74.4 | 74.8 | 74.9 | 74.9 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1   | 75.2 | 75.3  |
| ≥ 7000            | 63.1                       | 70.6 | 74.3 | 75.6 | 75.9 | 76.2 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6   | 76.7 | 76.8  |
| ≥ 6000            | 63.2                       | 70.7 | 74.4 | 75.7 | 76.0 | 76.3 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6   | 76.7 | 76.8  |
| ≥ 5000            | 63.5                       | 71.0 | 74.7 | 76.0 | 76.3 | 76.6 | 76.8 | 76.8 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0   | 77.1 | 77.2  |
| ≥ 4500            | 63.7                       | 71.3 | 75.0 | 76.3 | 76.6 | 76.9 | 77.1 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3   | 77.4 | 77.5  |
| ≥ 4000            | 64.7                       | 72.4 | 76.3 | 77.5 | 77.9 | 78.2 | 78.3 | 78.3 | 78.5 | 78.5 | 78.5 | 78.6 | 78.6   | 78.7 | 78.8  |
| ≥ 3500            | 66.1                       | 74.1 | 78.1 | 79.4 | 79.7 | 80.1 | 80.2 | 80.2 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5   | 80.6 | 80.7  |
| ≥ 3000            | 68.1                       | 76.5 | 80.7 | 82.1 | 82.5 | 82.9 | 83.0 | 83.0 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3   | 83.4 | 83.5  |
| ≥ 2500            | 70.7                       | 79.9 | 84.6 | 86.1 | 86.5 | 86.9 | 87.0 | 87.0 | 87.2 | 87.3 | 87.3 | 87.3 | 87.4   | 87.4 | 87.5  |
| ≥ 2000            | 73.1                       | 82.9 | 87.9 | 89.6 | 90.0 | 90.5 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0   | 91.1 | 91.2  |
| ≥ 1800            | 73.1                       | 82.8 | 87.9 | 89.6 | 90.0 | 90.5 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0   | 91.1 | 91.2  |
| ≥ 1500            | 74.7                       | 84.8 | 90.2 | 92.2 | 92.7 | 93.3 | 93.4 | 93.4 | 93.6 | 93.7 | 93.7 | 93.8 | 93.8   | 93.9 | 94.0  |
| ≥ 1200            | 74.9                       | 85.2 | 90.7 | 92.7 | 93.2 | 93.9 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4   | 94.5 | 94.6  |
| ≥ 1000            | 75.3                       | 85.7 | 91.5 | 93.6 | 94.2 | 94.9 | 95.1 | 95.1 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5   | 95.6 | 95.7  |
| ≥ 900             | 75.4                       | 85.8 | 91.6 | 93.7 | 94.3 | 95.0 | 95.2 | 95.2 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6   | 95.7 | 95.8  |
| ≥ 800             | 75.6                       | 86.1 | 92.1 | 94.4 | 95.1 | 95.9 | 96.1 | 96.1 | 96.3 | 96.4 | 96.4 | 96.5 | 96.6   | 96.6 | 96.7  |
| ≥ 700             | 75.6                       | 86.2 | 92.2 | 94.5 | 95.2 | 96.0 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.7 | 96.7   | 96.8 | 96.9  |
| ≥ 600             | 75.7                       | 86.4 | 92.5 | 94.9 | 95.6 | 96.3 | 96.7 | 96.7 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2   | 97.3 | 97.4  |
| ≥ 500             | 75.7                       | 86.5 | 92.7 | 95.2 | 96.0 | 96.4 | 97.0 | 97.2 | 97.5 | 97.6 | 97.6 | 97.8 | 97.8   | 97.9 | 98.0  |
| ≥ 400             | 75.7                       | 86.7 | 93.0 | 95.6 | 96.4 | 97.4 | 97.7 | 97.7 | 98.0 | 98.2 | 98.2 | 98.3 | 98.4   | 98.4 | 98.6  |
| ≥ 300             | 75.8                       | 86.7 | 93.0 | 95.7 | 96.6 | 97.7 | 98.0 | 98.0 | 98.4 | 98.6 | 98.6 | 98.8 | 98.8   | 98.9 | 99.1  |
| ≥ 200             | 75.8                       | 86.7 | 93.0 | 95.7 | 96.6 | 97.7 | 98.0 | 98.0 | 98.4 | 98.6 | 98.6 | 98.9 | 99.0   | 99.1 | 99.3  |
| ≥ 100             | 75.8                       | 86.7 | 93.0 | 95.7 | 96.6 | 97.7 | 98.0 | 98.0 | 98.4 | 98.6 | 98.6 | 99.0 | 99.0   | 99.3 | 99.7  |
| 0                 | 75.8                       | 86.7 | 93.0 | 95.7 | 96.6 | 97.7 | 98.0 | 98.0 | 98.4 | 98.6 | 98.6 | 99.0 | 99.0   | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 11439

NAVWEASERVCOM

# SKY COVER

5704 SKY COVER JAN 68

MONTH

74576

CHARLESTON, SOUTH CAROLINA NWSE

13750

MONTH

PERIOD

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |     |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|-------------------------|-----|
|        |                   | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |                                |                         | 10  |
| JAN    | 01                | 37.6  | 1.1 | 5.4 | 2.2 | 2.2 | 2.2 | 2.2 | 6.5 | 3.2 | 4.3 | 33.3                           | 4.9                     | 93  |
|        | 04                | 32.3  |     | 9.7 | 4.3 | 3.2 |     | 4.3 |     | 3.2 | 3.2 | 39.6                           | 3.2                     | 93  |
|        | 07                | 23.7  |     | 7.5 | 4.3 | 3.2 |     | 3.2 | 1.1 | 7.5 | 8.6 | 36.7                           | 6.0                     | 93  |
|        | 10                | 23.7  | 3.2 | 3.2 | 7.5 |     | 1.1 | 4.3 | 2.2 | 7.5 | 5.4 | 41.9                           | 6.1                     | 93  |
|        | 13                | 28.0  | 4.3 |     | 3.2 | 3.2 |     | 3.2 | 8.6 | 4.3 | 6.5 | 35.5                           | 5.7                     | 93  |
|        | 16                | 23.7  | 5.4 | 5.4 | 1.1 | 2.2 | 3.2 | 4.3 | 4.3 | 7.5 | 9.7 | 33.3                           | 5.8                     | 93  |
|        | 19                | 25.6  | 4.3 | 6.5 | 6.5 | 8.6 |     | 4.3 | 2.2 | 4.3 | 1.1 | 33.3                           | 5.1                     | 93  |
|        | 22                | 35.6  | 4.3 | 5.4 | 5.4 | 4.3 |     |     | 1.1 | 2.2 | 2.2 | 35.5                           | 4.6                     | 93  |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
| TOTALS |                   | 28.0  | 2.8 | 5.4 | 4.3 | 3.4 | 2.3 | 3.2 | 3.3 | 5.0 | 5.1 | 36.4                           | 5.4                     | 744 |

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THE

1







# SKY COVER

APR  
MONTH

PERIOD

73076

CHARLESTON, SOUTH CAROLINA NW5ED

13758  
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |      |     |     |     |     |     |     |     |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|--------|-------------------|---|------|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|-------------------------|-----|
|        |                   | 0   | 1    | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |                                |                         | 10  |
| APR    | 01                | 45.8  | .8   | 5.8 | 5.0 | .8  | 1.7 | .8  | 5.0 | 5.8 | 1.7 | 26.7                           | 4.1                     | 120 |
|        | 04                | 46.7  | .8   | 2.5 | 1.7 | 4.2 | 4.2 | 2.5 | 4.2 | 6.7 | 4.2 | 22.5                           | 4.1                     | 120 |
|        | 07                | 32.5  | 5.0  | 6.7 | 1.7 | 1.7 | 2.5 | 9.2 | 6.7 | 4.2 | 5.8 | 24.2                           | 4.7                     | 120 |
|        | 10                | 35.0  | 4.2  | 4.2 | 5.0 | 6.7 | .8  | 1.7 | 5.0 | 5.0 | 5.0 | 27.5                           | 4.6                     | 120 |
|        | 13                | 20.8  | 11.7 | 5.0 | 4.2 | 6.7 | 1.7 | 1.7 | 8.3 | 7.5 | 1.7 | 30.8                           | 5.2                     | 120 |
|        | 16                | 27.5  | 5.8  | 3.3 | 5.0 | 1.7 | 8.3 | 5.8 | 5.8 | 2.5 | 5.0 | 29.2                           | 5.1                     | 120 |
|        | 19                | 27.5  | 7.5  | 5.0 | 3.3 | 6.7 | 5.0 | 2.5 | 4.2 | 4.2 | 7.5 | 26.7                           | 4.9                     | 120 |
|        | 22                | 45.8  | 1.7  | 5.0 | 3.3 | 5.0 | 4.2 | 3.3 | .8  | 6.7 | .8  | 23.3                           | 3.8                     | 120 |
|        |                   |   |      |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |      |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |      |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |      |     |     |     |     |     |     |     |     |                                |                         |     |
| TOTALS |                   | 35.2  | 4.7  | 4.7 | 3.7 | 4.2 | 3.6 | 3.4 | 5.0 | 5.3 | 4.0 | 26.4                           | 4.6                     | 960 |

## SKY COVER

5704 SKY COVER JAN 68

13758 STATION NAME CHARLESTON, SOUTH CAROLINA NAUSD PERIOD 73-76 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|------|------|--------------------------------|-------------------------|-----|
|        |                   | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8    | 9    |                                |                         | 10  |
| MAY    | 01                | 21.0  | 2.4 | 8.1 | 4.0 | 8.9 | 4.8 | 2.4 | 8.1 | 6.5  | 4.0  | 29.6                           | 5.5                     | 124 |
|        | 04                | 28.2  | 4.8 | 6.5 | 6.5 | 1.6 | 5.6 | 5.6 | 4.0 | 5.6  | 2.4  | 29.0                           | 4.9                     | 124 |
|        | 07                | 19.4  | 1.6 | 5.6 | 3.2 | 4.8 | 5.6 | 5.6 | 5.6 | 8.9  | 9.7  | 29.6                           | 6.0                     | 124 |
|        | 10                | 17.7  | 3.2 | 1.6 | 1.6 | 7.3 | 4.0 | 4.8 | 9.7 | 7.3  | 8.1  | 34.7                           | 6.3                     | 124 |
|        | 13                | 7.3   | 4.0 | 3.2 | .8  | 5.6 | 6.5 | 5.6 | 8.1 | 17.7 | 4.8  | 36.3                           | 7.1                     | 124 |
|        | 16                | 6.5   | 8.1 | 6.5 | 8.1 | 2.4 | 3.2 | 4.0 | 6.5 | 11.3 | 8.9  | 34.7                           | 6.6                     | 124 |
|        | 19                | 11.3  | 5.6 | 4.8 | 4.0 | 5.6 | 3.2 | 2.4 | 9.7 | 8.1  | 10.5 | 34.7                           | 6.5                     | 124 |
|        | 22                | 19.4  | 3.2 | 5.6 | 4.0 | 4.8 | 6.5 | 4.8 | 6.5 | 9.7  | 1.6  | 33.9                           | 5.8                     | 124 |
|        |                   |   |     |     |     |     |     |     |     |      |      |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |      |      |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |      |      |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |      |      |                                |                         |     |
| TOTALS |                   | 16.4  | 4.1 | 5.2 | 4.0 | 5.1 | 4.9 | 4.4 | 7.3 | 9.4  | 6.3  | 32.9                           | 6.1                     | 992 |



100  
 100  
 100  
 100

MONTH

PERIOD

73-76

CHARLESTON, SOUTH CAROLINA NW50

STATION NAME

13750

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |      |     |     |      |     |      |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|--------|-------------------|---|-----|------|-----|-----|------|-----|------|------|------|--------------------------------|-------------------------|-----|
|        |                   | 0   | 1   | 2    | 3   | 4   | 5    | 6   | 7    | 8    | 9    |                                |                         | 10  |
| JUL    | 01                | 16.1  | .8  | 10.5 | 8.9 | 6.5 | 5.6  | 6.5 | 6.5  | 11.3 | 2.4  | 25.0                           | 5.5                     | 124 |
|        | 04                | 16.1  | 2.4 | 15.3 | 6.5 | 7.3 | 7.3  | 7.3 | 6.5  | 6.5  | 7.3  | 17.7                           | 5.0                     | 124 |
|        | 07                | 12.1  | 4.8 | 8.9  | 4.0 | 6.5 | 7.3  | 3.2 | 8.9  | 7.3  | 9.7  | 27.4                           | 6.0                     | 124 |
|        | 10                | 11.3  | .8  | 6.5  | 3.2 | 4.0 | 4.8  | 5.6 | 10.5 | 13.7 | 8.1  | 31.5                           | 6.7                     | 124 |
|        | 13                | 2.4   |     | 4.0  | 4.8 | 8.1 | 6.1  | 4.8 | 8.9  | 13.7 | 11.3 | 33.9                           | 7.4                     | 124 |
|        | 16                | 4.8   | 3.2 | 4.8  | 6.5 | 3.2 | 11.3 | 5.6 | 9.7  | 12.1 | 6.5  | 32.3                           | 6.8                     | 124 |
|        | 19                | 4.8   | 3.2 | 9.7  | 4.8 | 2.4 | 3.2  | 5.6 | 8.1  | 16.1 | 9.7  | 32.3                           | 6.9                     | 124 |
|        | 22                | 11.3  | .8  | 9.7  | 7.3 | 5.6 | 7.3  | 3.2 | 7.3  | 10.5 | 8.9  | 28.2                           | 6.2                     | 124 |
|        |                   |   |     |      |     |     |      |     |      |      |      |                                |                         |     |
|        |                   |   |     |      |     |     |      |     |      |      |      |                                |                         |     |
|        |                   |   |     |      |     |     |      |     |      |      |      |                                |                         |     |
|        |                   |   |     |      |     |     |      |     |      |      |      |                                |                         |     |
| TOTALS |                   | 9.9   | 2.0 | 8.7  | 5.8 | 5.5 | 6.9  | 5.2 | 8.3  | 11.4 | 8.0  | 28.5                           | 6.3                     | 992 |







# SKY COVER

037  
MONTH

73-76

CHARLESTON, SOUTH CAROLINA NW5ED

STATION NAME

PERIOD

13758 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |      |     |     |     |     |     |     |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|--------|-------------------|---|-----|------|-----|-----|-----|-----|-----|-----|-----|--------------------------------|-------------------------|-----|
|        |                   | 0   | 1   | 2    | 3   | 4   | 5   | 6   | 7   | 8   | 9   |                                |                         | 10  |
| OCT    | 01                | 58.1  | 1.6 | 6.5  | 6.5 | 1.6 | 2.4 | 2.4 | 2.4 | 3.2 | 2.4 | 12.9                           | 2.6                     | 124 |
|        | 04                | 56.5  | 1.6 | 4.0  | 8.1 | 4.0 | 2.4 | 4.0 | 4.0 | 4.0 | 3.2 | 8.1                            | 2.6                     | 124 |
|        | 07                | 31.5  | 7.3 | 12.1 | 4.0 | 5.6 | 2.4 | 3.2 | 6.5 | 6.5 | 5.6 | 15.3                           | 4.0                     | 124 |
|        | 10                | 37.9  | 6.5 | 6.5  | 5.6 | 3.2 | 2.4 | 4.0 | 4.0 | 4.0 | 8.9 | 16.9                           | 4.0                     | 124 |
|        | 13                | 26.6  | 5.6 | 8.1  | .8  | 8.9 | 5.6 | 3.2 | 6.5 | 7.3 | 8.1 | 19.4                           | 4.8                     | 124 |
|        | 16                | 25.0  | 6.5 | 6.5  | 4.8 | 6.5 | 4.0 | 8.1 | 4.0 | 6.5 | 9.7 | 18.5                           | 4.8                     | 124 |
|        | 19                | 40.3  | 6.5 | 3.2  | 6.5 | 6.5 | 3.2 | 2.4 | 4.0 | 8.1 | .8  | 18.5                           | 3.7                     | 124 |
|        | 22                | 50.8  | .8  | 8.1  | 4.0 | 4.8 | 1.6 | 1.6 | 2.4 | 7.3 | 4.0 | 14.5                           | 3.2                     | 124 |
|        |                   |   |     |      |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |      |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |      |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |      |     |     |     |     |     |     |     |                                |                         |     |
| TOTALS |                   | 40.8  | 4.6 | 6.9  | 5.0 | 5.1 | 3.0 | 3.4 | 4.2 | 5.9 | 5.3 | 15.5                           | 3.7                     | 992 |

# SKY COVER

93758

CHARLESTON, SOUTH CAROLINA NWSE

23-76

[illegible]

PERIOD

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |     |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|-------------------------|-----|
|        |                   | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |                                |                         | 10  |
| NOV    | 01                | 48.3  | 2.5 | 6.7 | 4.2 | 3.3 | 1.7 | 1.7 | 3.3 | 2.5 | 1.7 | 24.2                           | 3.6                     | 120 |
|        | 04                | 52.5  | 1.7 | 3.3 | 3.3 | .0  | 3.3 | 2.5 | 5.0 | 3.3 | 1.7 | 22.5                           | 3.6                     | 120 |
|        | 07                | 30.0  | 5.8 | 8.3 | 6.7 | 5.8 | 1.7 | 1.7 | 3.3 | 4.2 | 3.3 | 29.2                           | 4.6                     | 120 |
|        | 10                | 39.2  | 6.7 | 3.3 | 1.7 |     | 5.0 | 1.7 | 5.0 | 1.7 | 5.0 | 30.8                           | 4.6                     | 120 |
|        | 13                | 36.7  | 5.0 | 4.2 | 2.5 | 3.3 | 1.7 | 5.8 | 3.3 | 3.3 | 4.2 | 30.0                           | 4.7                     | 120 |
|        | 16                | 33.3  | 5.8 | 6.7 | 5.0 | 5.0 | 2.5 | 3.3 | 5.0 | 3.3 | 2.5 | 27.5                           | 4.5                     | 120 |
|        | 19                | 40.8  | 9.2 | 5.7 | 1.7 | 1.7 | 5.0 | 4.2 | .8  | 5.0 | 2.5 | 22.5                           | 3.8                     | 120 |
|        | 22                | 47.5  | .8  | 8.3 | 5.0 | 3.3 | 4.2 | .8  | 2.5 | 5.0 | 2.5 | 20.0                           | 3.5                     | 120 |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
| TOTALS |                   | 41.0  | 4.7 | 5.9 | 3.8 | 2.9 | 3.1 | 5.7 | 3.5 | 3.5 | 2.9 | 25.8                           | 4.1                     | 960 |



96-3-46

CHARLESTON, SOUTH CAROLINA NW5ED

13758

STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |     |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |     |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|-------------------------|-----|
|        |                   | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   |                                |                         | 10  |
| DEC    | 01                | 38.7  | 1.6 | 6.5 | 3.2 | 2.4 | 1.6 | 3.2 | 1.6 | 2.4 | 4.0 | 34.7                           | 4.8                     | 124 |
|        | 04                | 41.1  | 3.2 | 4.0 | 3.2 | 1.6 | 5.6 | 3.2 | 3.2 | .8  |     | 33.9                           | 4.4                     | 124 |
|        | 07                | 23.4  | 3.2 | 7.3 | 1.6 | 2.4 | 4.0 | 4.8 | 7.3 | 4.0 | 4.0 | 37.9                           | 5.8                     | 124 |
|        | 10                | 26.6  | 4.0 | 2.4 | 2.4 | .8  | 2.4 | .8  | 4.8 | 6.5 | 5.6 | 43.5                           | 6.1                     | 124 |
|        | 13                | 24.2  | 4.0 | 5.6 | 1.6 | 1.6 | 2.4 | 2.4 | 5.6 | 4.8 | 5.6 | 41.9                           | 6.0                     | 124 |
|        | 16                | 21.8  | 4.8 | 5.6 | 4.8 | 1.6 | 3.2 | 4.0 | 4.0 | 2.4 | 5.6 | 41.9                           | 6.0                     | 124 |
|        | 19                | 31.5  | 2.4 | 5.6 | 3.2 | 1.6 | 2.4 | 3.2 | 4.0 | 5.6 | 1.6 | 38.7                           | 5.4                     | 124 |
|        | 22                | 44.4  |     | .8  | 2.4 | 2.4 | 1.6 | 4.8 | 2.4 | 4.8 | 1.6 | 34.7                           | 4.7                     | 124 |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
|        |                   |   |     |     |     |     |     |     |     |     |     |                                |                         |     |
| TOTALS |                   | 31.5  | 2.9 | 4.7 | 2.8 | 1.8 | 2.6 | 3.3 | 4.1 | 3.9 | 3.5 | 3.4                            | 5.4                     | 999 |

## SKY COVER

5704 SKY COVER JAN 68

ALL  
MONTH

73-76

CHARLESTON, SOUTH CAROLINA NWSE

1978  
STATION

PERIOD

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |     |     |     |     |     |     |     |      |     | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|------|-----|--------------------------------|-------------------------|
|        |                   | 0   | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8    | 9   | 10                             |                         |
| JAN    | ALL               | 28.9  | 2.8 | 5.4 | 4.3 | 3.6 | 2.3 | 3.2 | 3.3 | 5.0  | 5.1 | 36.4                           | 744                     |
| FEB    |                   | 33.1  | 3.6 | 5.4 | 5.1 | 3.6 | 3.1 | 3.3 | 4.3 | 5.3  | 4.1 | 29.1                           | 904                     |
| MAR    |                   | 23.3  | 2.3 | 6.1 | 4.6 | 4.2 | 3.7 | 3.6 | 4.4 | 6.9  | 4.6 | 36.2                           | 992                     |
| APR    |                   | 35.2  | 4.7 | 4.7 | 3.7 | 4.2 | 3.6 | 3.4 | 5.0 | 5.3  | 4.0 | 26.4                           | 960                     |
| MAY    |                   | 16.4  | 4.1 | 5.2 | 4.0 | 5.1 | 4.9 | 4.4 | 7.3 | 9.4  | 6.3 | 32.9                           | 992                     |
| JUN    |                   | 7.0   | 3.0 | 6.1 | 6.6 | 5.8 | 4.4 | 4.8 | 7.1 | 10.1 | 8.0 | 37.2                           | 960                     |
| JUL    |                   | 9.9   | 2.0 | 8.7 | 5.8 | 5.5 | 6.9 | 5.2 | 8.3 | 11.4 | 8.0 | 28.5                           | 992                     |
| AUG    |                   | 15.1  | 3.1 | 6.1 | 6.3 | 6.4 | 8.0 | 6.1 | 7.3 | 9.8  | 7.3 | 24.8                           | 992                     |
| SEP    |                   | 14.2  | 4.9 | 6.1 | 5.7 | 5.1 | 5.6 | 6.0 | 5.8 | 9.3  | 7.3 | 29.7                           | 960                     |
| OCT    |                   | 40.8  | 4.6 | 6.9 | 5.0 | 5.1 | 3.0 | 3.6 | 4.2 | 5.9  | 5.3 | 15.5                           | 992                     |
| NOV    |                   | 41.0  | 4.7 | 5.9 | 3.8 | 2.9 | 3.1 | 2.7 | 3.5 | 3.5  | 2.9 | 25.8                           | 960                     |
| DEC    |                   | 31.5  | 2.9 | 4.7 | 2.8 | 1.8 | 2.9 | 3.3 | 4.1 | 3.9  | 3.5 | 38.4                           | 992                     |
| TOTALS |                   | 24.7  | 3.6 | 5.9 | 4.8 | 4.4 | 4.3 | 4.1 | 5.4 | 7.2  | 5.6 | 30.1                           | 11440                   |

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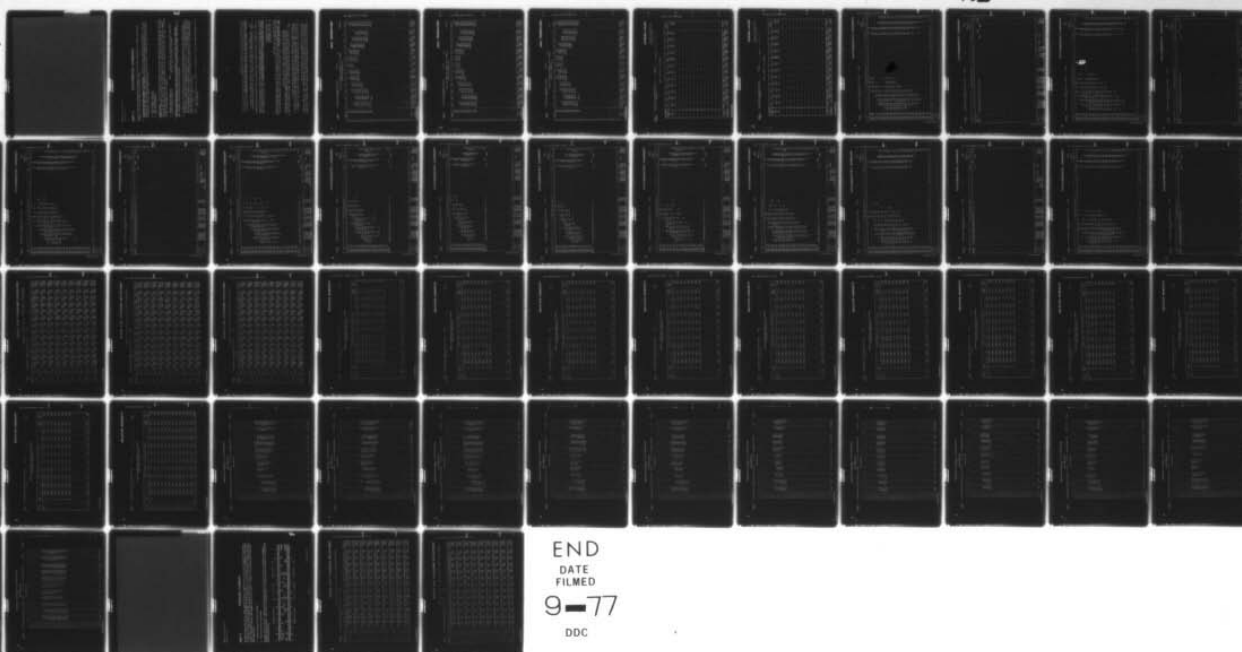
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) CHARLEST--ETC(U)  
JUL 77

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NWSED, Federal Building  
Asheville, N. C.

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.  
This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperatures combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

## DAILY TEMPERATURES

13755  
STATION

CHARLESTON, SOUTH  
STATION NAME

73-76

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

[illegible]

NAVWEASERVCOM



2

## DAILY TEMPERATURES

13758  
STATION

CHARLESTON, SOUTH CAROLINA

73-76

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

106439

| TEMP (°F) | JAN.  | FEB.  | MAR.  | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.  | DEC.  | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 80        |       |       |       |       | 7.1   | 17.5  | 7.3   |       |       |       |       |       | 6      |
| 75        |       |       |       |       | 37.1  | 82.5  | 60.5  | 47.6  | 17.5  |       |       |       | 12.9   |
| 70        |       |       |       | 1.7   | 71.0  | 96.7  | 97.6  | 90.3  | 68.3  | 5.6   |       |       | 32.2   |
| 65        | 2.2   |       | 5.6   | 16.7  | 84.7  | 99.2  | 100.0 | 100.0 | 88.3  | 23.4  | 7.5   |       | 43.7   |
| 60        | 10.8  | 5.3   | 25.8  | 40.8  | 96.0  | 100.0 |       |       | 95.3  | 49.2  | 15.0  | 2.4   | 53.8   |
| 55        | 26.9  | 16.8  | 47.6  | 56.7  | 96.0  | 100.0 |       |       | 100.0 | 67.7  | 33.3  | 11.3  | 64.1   |
| 50        | 39.8  | 26.5  | 68.3  | 84.2  | 100.0 |       |       |       |       | 82.3  | 45.0  | 25.8  | 73.6   |
| 45        | 54.3  | 54.0  | 81.5  | 93.8  |       |       |       |       |       | 92.7  | 68.3  | 40.3  | 83.0   |
| 40        | 67.7  | 75.2  | 91.9  | 98.3  |       |       |       |       |       | 99.2  | 85.8  | 63.7  | 90.7   |
| 35        | 88.2  | 89.4  | 98.4  | 100.0 |       |       |       |       |       | 100.0 | 98.3  | 84.7  | 95.8   |
| 30        | 93.5  | 94.7  | 100.0 |       |       |       |       |       |       |       | 100.0 | 96.0  | 98.8   |
| 25        | 98.9  | 99.1  |       |       |       |       |       |       |       |       |       | 100.0 | 99.9   |
| 20        | 100.0 | 100.0 |       |       |       |       |       |       |       |       |       |       | 100.0  |

5721 Daily Temperature Jan 1969

MEAN

S. D.

TOTAL OBS.

46.2 45.1 52.9 56.5 66.6 71.7 75.2 74.0 70.5 38.0 49.6 43.4 59.1

10.047 8.788 8.305 7.384 5.942 3.444 2.658 2.503 4.576 8.101 8.932 8.343 13.360

93 113 124 120 124 120 124 124 120 124 120 126 1430

NAVWEASERVCOM



## DAILY TEMPERATURES

13753  
STATIONCHARLESTON, SOUTH CAROLINA  
STATION NAME

73.76

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

# MEAN

[illegible]

NAVWEASERVCOM

13758 CHARLESTON, SOUTH CAROLINA 73-76

CHARLESTON, SOUTH CAROLINA

73-76

| STATION | STATION NAME |
|---------|--------------|
|         |              |

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

MINIMUM TEMPERATURE  
FROM DAILY OBSERVATIONS

CHARLESTON, SOUTH CAROLINA

13758 STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

PSYCHROMETRIC SUMMARY

13758 CHARLESTON, SOUTH CAROLINA NWSE0 74-75  
STATION NAME  
JAN MONTH  
PAGE 1  
HOURS (L.S.T.)

YEARS

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | TOTAL     |            | TOTAL    |                                    |        |        |        |       |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|------------|----------|------------------------------------|--------|--------|--------|-------|
|              | 0                                   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb   | Wet Bulb |                                    |        |        |        |       |
| 80/ 79       |                                     |       |       |       |       | .1     | .1      | .3      |         |         |         |         |         |         |         |         |      | 4         | 4          |          |                                    |        |        |        |       |
| 78/ 77       |                                     |       |       |       |       | .3     | .1      | .1      |         |         |         |         |         |         |         |         |      | 5         | 5          |          |                                    |        |        |        |       |
| 76/ 75       |                                     |       |       |       |       | .4     | .3      | .4      |         |         |         |         |         |         |         |         |      | 10        | 10         |          |                                    |        |        |        |       |
| 74/ 73       |                                     |       |       |       |       | .4     | .4      | .4      |         |         |         |         |         |         |         |         |      | 12        | 12         |          |                                    |        |        |        |       |
| 72/ 71       |                                     | .1    | .4    | .8    | .7    | .5     | .4      | .4      |         |         |         |         |         |         |         |         |      | 19        | 19         |          |                                    |        |        |        |       |
| 70/ 69       |                                     | .3    | 1.2   | .7    | .1    | .1     | .1      |         |         |         |         |         |         |         |         |         |      | 18        | 18         | 4        |                                    |        |        |        |       |
| 68/ 67       |                                     | 1.2   | 1.7   | .5    | .4    | .1     |         |         |         |         |         |         |         |         |         |         |      | 30        | 30         | 20       |                                    |        |        |        |       |
| 66/ 65       |                                     | 3.2   | 1.5   | .5    | .5    | .3     | .1      | .1      |         |         |         |         |         |         |         |         |      | 40        | 40         | 42       |                                    |        |        |        |       |
| 64/ 63       | .5                                  | 1.7   | 1.2   | .5    | .3    | .4     | .1      | .1      |         |         |         |         |         |         |         |         |      | 33        | 33         | 50       |                                    |        |        |        |       |
| 62/ 61       | 1.2                                 | 3.4   | 1.3   | .5    | .3    | .4     | .1      | .1      |         |         |         |         |         |         |         |         |      | 55        | 55         | 48       |                                    |        |        |        |       |
| 60/ 59       | .8                                  | 4.3   | 1.2   | .1    | .5    | .1     | .5      | .1      |         |         |         |         |         |         |         |         |      | 58        | 58         | 47       |                                    |        |        |        |       |
| 58/ 57       | 1.3                                 | 2.8   | .8    | .7    | .1    | .4     | .3      | .3      |         |         |         |         |         |         |         |         |      | 48        | 48         | 63       |                                    |        |        |        |       |
| 56/ 55       | 1.3                                 | 1.7   | .8    | .7    | .3    | .4     | .1      | .1      |         |         |         |         |         |         |         |         |      | 41        | 41         | 39       |                                    |        |        |        |       |
| 54/ 53       | .9                                  | 2.4   | .7    | 1.3   | .5    | .3     | .3      | .3      |         |         |         |         |         |         |         |         |      | 48        | 48         | 34       |                                    |        |        |        |       |
| 52/ 51       | 1.2                                 | 1.2   | 1.3   | .3    | .3    | .3     | .3      | .3      |         |         |         |         |         |         |         |         |      | 41        | 41         | 40       |                                    |        |        |        |       |
| 50/ 49       | .7                                  | 1.7   | 1.1   | .4    | .4    | .4     | .1      | .1      |         |         |         |         |         |         |         |         |      | 33        | 33         | 34       |                                    |        |        |        |       |
| 48/ 47       | 1.2                                 | 2.4   | 1.5   | .4    | .3    | .7     | .7      | .7      |         |         |         |         |         |         |         |         |      | 48        | 48         | 49       |                                    |        |        |        |       |
| 46/ 45       | .5                                  | 1.1   | 2.0   | .9    | 1.7   | .3     |         |         |         |         |         |         |         |         |         |         |      | 49        | 49         | 47       |                                    |        |        |        |       |
| 44/ 43       | .1                                  | .7    | 1.1   | .8    | .7    |        |         |         |         |         |         |         |         |         |         |         |      | 25        | 25         | 20       |                                    |        |        |        |       |
| 42/ 41       | .1                                  | 1.6   | 1.5   | .9    | .5    |        |         |         |         |         |         |         |         |         |         |         |      | 35        | 35         | 38       |                                    |        |        |        |       |
| 40/ 39       | .3                                  | 1.1   | .5    | .9    | .1    |        |         |         |         |         |         |         |         |         |         |         |      | 22        | 22         | 37       |                                    |        |        |        |       |
| 38/ 37       |                                     | .7    | .7    | .8    | .3    |        |         |         |         |         |         |         |         |         |         |         |      | 18        | 18         | 42       |                                    |        |        |        |       |
| 36/ 35       |                                     | 1.1   | .4    | .8    | .4    |        |         |         |         |         |         |         |         |         |         |         |      | 20        | 20         | 21       |                                    |        |        |        |       |
| 34/ 33       |                                     | .3    | .4    | .4    | .1    |        |         |         |         |         |         |         |         |         |         |         |      | 9         | 9          | 19       |                                    |        |        |        |       |
| 32/ 31       |                                     | .3    | .8    | .7    |       |        |         |         |         |         |         |         |         |         |         |         |      | 13        | 13         | 11       |                                    |        |        |        |       |
| 30/ 29       |                                     | .1    | .3    | .1    | .1    |        |         |         |         |         |         |         |         |         |         |         |      | 4         | 4          | 17       |                                    |        |        |        |       |
| 28/ 27       |                                     | .1    | .1    | .3    |       |        |         |         |         |         |         |         |         |         |         |         |      | 4         | 4          | 8        |                                    |        |        |        |       |
| 26/ 25       |                                     |       | .1    | .1    |       |        |         |         |         |         |         |         |         |         |         |         |      | 1         | 1          | 9        |                                    |        |        |        |       |
| 24/ 23       |                                     |       | .1    |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 1         | 1          | 3        |                                    |        |        |        |       |
| 22/ 21       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |            | 1        |                                    |        |        |        |       |
| 20/ 19       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |            | 1        |                                    |        |        |        |       |
| 18/ 17       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |            | 7        |                                    |        |        |        |       |
| 16/ 15       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |            | 5        |                                    |        |        |        |       |
| 14/ 13       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |            | 5        |                                    |        |        |        |       |
| Element (X)  | $\sum X^2$                          |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        | Total |
| Rel. Hum.    |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |            |          | ≤ 0 F                              | ≥ 32 F | ≥ 67 F | ≥ 93 F |       |
| Dry Bulb     |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |            |          |                                    |        |        |        |       |
| Wet Bulb     |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |            |          |                                    |        |        |        |       |
| Dew Point    |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |            |          |                                    |        |        |        |       |



[illegible]

# PSYCHROMETRIC SUMMARY

5705 PSYCHROMETRIC SUMMARY JAN 68

19758 CHARLESTON, SOUTH CAROLINA NWSE 73-76  
STATION NAME YEARS

FEB  
MONTH

PAGE 1  
HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           | TOTAL           |          | TOTAL |  | Dew Point       |  |    |  |                 |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|-----------------|----------|-------|--|-----------------|--|----|--|-----------------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb        | Wet Bulb |       |  |                 |  |    |  |                 |  |
| 76/ 75       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 3         | 3               | 3        |       |  |                 |  |    |  |                 |  |
| 74/ 73       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 7         | 7               | 7        |       |  |                 |  |    |  |                 |  |
| 72/ 71       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 8         | 8               | 8        |       |  |                 |  |    |  |                 |  |
| 70/ 69       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 20        | 20              | 20       |       |  |                 |  |    |  |                 |  |
| 68/ 67       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 39        | 39              | 39       |       |  |                 |  |    |  |                 |  |
| 66/ 65       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 55        | 55              | 55       |       |  |                 |  |    |  |                 |  |
| 64/ 63       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 64        | 64              | 64       |       |  |                 |  |    |  |                 |  |
| 62/ 61       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 57        | 57              | 57       |       |  |                 |  |    |  |                 |  |
| 60/ 59       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 59        | 59              | 59       |       |  |                 |  |    |  |                 |  |
| 58/ 57       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 73        | 73              | 73       |       |  |                 |  |    |  |                 |  |
| 56/ 55       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 62        | 62              | 62       |       |  |                 |  |    |  |                 |  |
| 54/ 53       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 56        | 56              | 56       |       |  |                 |  |    |  |                 |  |
| 52/ 51       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 64        | 64              | 64       |       |  |                 |  |    |  |                 |  |
| 50/ 49       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 54        | 54              | 54       |       |  |                 |  |    |  |                 |  |
| 48/ 47       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 60        | 60              | 60       |       |  |                 |  |    |  |                 |  |
| 46/ 45       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 42        | 42              | 42       |       |  |                 |  |    |  |                 |  |
| 44/ 43       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 40        | 40              | 40       |       |  |                 |  |    |  |                 |  |
| 42/ 41       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 43        | 43              | 43       |       |  |                 |  |    |  |                 |  |
| 40/ 39       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 34        | 34              | 34       |       |  |                 |  |    |  |                 |  |
| 38/ 37       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 20        | 20              | 20       |       |  |                 |  |    |  |                 |  |
| 36/ 35       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 7         | 7               | 7        |       |  |                 |  |    |  |                 |  |
| 34/ 33       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 6         | 6               | 6        |       |  |                 |  |    |  |                 |  |
| 32/ 31       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 9         | 9               | 9        |       |  |                 |  |    |  |                 |  |
| 30/ 29       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 9         | 9               | 9        |       |  |                 |  |    |  |                 |  |
| 28/ 27       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 9         | 9               | 9        |       |  |                 |  |    |  |                 |  |
| 26/ 25       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 1         | 1               | 1        |       |  |                 |  |    |  |                 |  |
| 24/ 23       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     | 3         | 3               | 3        |       |  |                 |  |    |  |                 |  |
| 22/ 21       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| 20/ 19       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| 18/ 17       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| 16/ 15       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| 14/ 13       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| 12/ 11       |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| 10/ 9        |                                     |     |     |     | .1  | .1   | .1    | .1    | .1    |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| Element (X)  | ΣX                                  |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           | ΣX <sup>2</sup> |          | ΣX    |  | ΣX <sup>2</sup> |  | ΣX |  | ΣX <sup>2</sup> |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |                 |          |       |  |                 |  |    |  |                 |  |

NAWWEASERVCOM

## 2

YEARS

CHARLESTON, SOUTH CAROLINA NW5ED

758 STATION

FEB 15  
 MONTH

HOURS (L.S.T.)

NAVWEASERVCOM

STATION NAME

YEARS

MONTH

PAGE 1  
HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           | TOTAL    |          | TOTAL |  | Dew Point |  |       |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|------------------------------------|-------|-------|-----|-----------|----------|----------|-------|--|-----------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26                              | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb |       |  |           |  |       |  |
| 84/ 83       |                                     |     |     |     |     | .1   | .3    |       | .2    | .1    | .1    |       |       |                                    |       |       |     | 3         | 3        |          |       |  |           |  |       |  |
| 82/ 81       |                                     |     |     |     |     | .1   | .1    |       | .1    | .2    | .1    |       |       |                                    |       |       |     | 7         | 7        |          |       |  |           |  |       |  |
| 80/ 79       |                                     |     |     |     | .2  | .1   | .1    |       | .2    | .1    | .1    |       |       |                                    |       |       |     | 4         | 4        |          |       |  |           |  |       |  |
| 78/ 77       |                                     |     |     |     |     | .1   | .3    |       | .1    | .1    | .1    |       |       |                                    |       |       |     | 10        | 10       |          |       |  |           |  |       |  |
| 76/ 75       |                                     | .1  |     |     |     | .5   | .1    |       | .1    | .1    | .2    |       |       |                                    |       |       |     | 17        | 17       | 1        |       |  |           |  |       |  |
| 74/ 73       |                                     |     | .1  | .6  | .3  | .9   | .1    |       | .2    | .1    | .1    |       |       |                                    |       |       |     | 28        | 28       | 1        |       |  |           |  |       |  |
| 72/ 71       |                                     | .1  | .9  | 1.0 | 1.0 | .8   | .3    |       | .3    | .1    | .1    |       |       |                                    |       |       |     | 47        | 47       | 3        |       |  |           |  |       |  |
| 70/ 69       |                                     | 1.0 | 1.1 | 1.6 | 1.2 | .6   | .4    |       | .4    | .1    | .1    |       |       |                                    |       |       |     | 63        | 63       | 10       |       |  |           |  |       |  |
| 68/ 67       |                                     | .9  | 1.4 | 1.8 | 1.2 | .6   | .3    |       | .3    | .1    | .1    |       |       |                                    |       |       |     | 68        | 68       | 37       |       |  |           |  |       |  |
| 66/ 65       | .4                                  | 2.5 | 2.0 | 2.2 | 1.1 | .7   | .2    |       | .2    | .1    | .1    |       |       |                                    |       |       |     | 94        | 94       | 65       |       |  |           |  |       |  |
| 64/ 63       | .6                                  | 3.1 | 2.3 | 1.3 | .9  | .8   | .3    |       | .3    | .1    | .1    |       |       |                                    |       |       |     | 102       | 102      | 88       |       |  |           |  |       |  |
| 62/ 61       | 1.1                                 | 3.6 | 2.7 | .9  | 1.0 | .2   | .3    |       | .2    | .5    | .1    |       |       |                                    |       |       |     | 105       | 105      | 110      |       |  |           |  |       |  |
| 60/ 59       | 1.1                                 | 2.9 | 1.2 | 1.2 | .7  | .4   | .4    |       | .2    | .1    |       |       |       |                                    |       |       |     | 82        | 82       | 118      |       |  |           |  |       |  |
| 58/ 57       | .4                                  | 1.8 | 1.6 | .7  | .7  | .5   | .8    |       | .1    |       |       |       |       |                                    |       |       |     | 66        | 66       | 95       |       |  |           |  |       |  |
| 56/ 55       | .2                                  | 1.1 | 1.3 | 1.2 | .7  | .9   | .2    |       |       |       |       |       |       |                                    |       |       |     | 56        | 56       | 54       |       |  |           |  |       |  |
| 54/ 53       |                                     | 1.4 | 1.8 | 1.0 | .5  | .6   | .3    |       | .1    |       |       |       |       |                                    |       |       |     | 57        | 57       | 61       |       |  |           |  |       |  |
| 52/ 51       | .3                                  | 1.3 | 1.4 | .5  | .6  | .2   | .1    |       |       |       |       |       |       |                                    |       |       |     | 44        | 44       | 61       |       |  |           |  |       |  |
| 50/ 49       | .2                                  | 1.2 | 1.4 | .5  | .3  | .3   |       |       |       |       |       |       |       |                                    |       |       |     | 39        | 39       | 63       |       |  |           |  |       |  |
| 48/ 47       |                                     | .4  | .4  | .7  | .5  | .3   |       |       |       |       |       |       |       |                                    |       |       |     | 23        | 23       | 54       |       |  |           |  |       |  |
| 46/ 45       | .1                                  | .8  | .2  | .5  | .1  | .1   |       |       |       |       |       |       |       |                                    |       |       |     | 18        | 18       | 48       |       |  |           |  |       |  |
| 44/ 43       | .1                                  | .3  | .2  | 1.1 | .6  |      |       |       |       |       |       |       |       |                                    |       |       |     | 23        | 23       | 52       |       |  |           |  |       |  |
| 42/ 41       | .1                                  | .4  | .7  | .4  | .2  | .1   |       |       |       |       |       |       |       |                                    |       |       |     | 19        | 19       | 27       |       |  |           |  |       |  |
| 40/ 39       | .2                                  | .3  | .2  | .1  |     |      |       |       |       |       |       |       |       |                                    |       |       |     | 8         | 8        | 24       |       |  |           |  |       |  |
| 38/ 37       |                                     |     | .3  |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     | 3         | 3        | 25       |       |  |           |  |       |  |
| 36/ 35       |                                     |     | .1  | .2  |     |      |       |       |       |       |       |       |       |                                    |       |       |     | 3         | 3        | 20       |       |  |           |  |       |  |
| 34/ 33       |                                     |     | .1  |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     | 1         | 1        | 12       |       |  |           |  |       |  |
| 32/ 31       | .2                                  |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     | 2         | 2        | 4        |       |  |           |  |       |  |
| 30/ 29       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          | 3        |       |  |           |  |       |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          | 15       |       |  |           |  |       |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          | 24       |       |  |           |  |       |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          | 15       |       |  |           |  |       |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          | 7        |       |  |           |  |       |  |
| 20/ 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          | 4        |       |  |           |  |       |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          | 1        |       |  |           |  |       |  |
| Element (X)  | ΣX <sup>2</sup>                     |     |     |     |     |      |       |       |       |       |       | ΣX    | ̄X    | Mean No. of Hours with Temperature |       |       |     |           |          |          |       |  |           |  | Total |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          |          |       |  |           |  |       |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          |          |       |  |           |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          |          |       |  |           |  |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |                                    |       |       |     |           |          |          |       |  |           |  |       |  |





## PSYCHROMETRIC SUMMARY

13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

STATION NAME

YEARS

APR

MONTH

PAGE 1

HOURS (LST)

5705 PSYCHROMETRIC SUMMARY JAN 68

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     | TOTAL     |          | TOTAL                              |           |  |  |  |       |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|-----|-----------|----------|------------------------------------|-----------|--|--|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30          | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb                           | Dew Point |  |  |  |       |  |
| 86/ 85       |                                     |     |     |     |     | .2   | .1    | .1    | .2    | .1    |       |       |       |       |       |                |     | 2         | 2        |                                    |           |  |  |  |       |  |
| 84/ 83       |                                     |     |     |     |     | .2   | .1    | .1    | .2    |       |       |       |       |       |       |                |     | 6         | 6        |                                    |           |  |  |  |       |  |
| 82/ 81       |                                     |     |     |     | .3  | .4   | .4    | .4    | .1    |       |       |       |       |       |       |                |     | 7         | 7        |                                    |           |  |  |  |       |  |
| 80/ 79       |                                     |     |     |     | .1  | .2   | .2    | .3    | .1    |       | .1    |       |       |       |       |                |     | 11        | 11       |                                    |           |  |  |  |       |  |
| 78/ 77       |                                     |     |     | .2  | .9  | .4   | .8    | .6    | .7    | .2    | .1    |       |       |       |       |                |     | 36        | 36       |                                    |           |  |  |  |       |  |
| 76/ 75       |                                     |     | .2  | .8  | .2  | .5   | 1.1   | .6    | .1    | .2    | .1    |       |       |       |       |                |     | 37        | 37       | 1                                  |           |  |  |  |       |  |
| 74/ 73       |                                     |     | .3  | .5  | .7  | 1.2  | .9    | .3    | .2    | .1    | .1    |       |       |       |       |                |     | 43        | 43       | 5                                  |           |  |  |  |       |  |
| 72/ 71       |                                     | .5  | 1.1 | 1.0 | 1.7 | 1.1  | 1.1   | .3    | .2    | .1    | .1    | .1    |       |       |       |                |     | 72        | 72       | 7                                  | 3         |  |  |  |       |  |
| 70/ 69       |                                     | 1.2 | 2.3 | 1.7 | 1.2 | 1.7  | .7    | .2    | .1    | .4    |       |       |       |       |       |                |     | 92        | 92       | 40                                 | 8         |  |  |  |       |  |
| 68/ 67       | .4                                  | 1.4 | 2.5 | 1.8 | 1.4 | 1.4  | .9    | .7    | .2    | .3    |       |       |       |       |       |                |     | 105       | 105      | 48                                 | 33        |  |  |  |       |  |
| 66/ 65       |                                     | 1.7 | 1.9 | 1.1 | 1.5 | .8   | .5    | .4    | .4    | .3    |       |       |       |       |       |                |     | 83        | 83       | 83                                 | 45        |  |  |  |       |  |
| 64/ 63       | .2                                  | 1.0 | 2.1 | 1.9 | 1.6 | 2.0  | 1.1   | .3    | .1    | .1    |       |       |       |       |       |                |     | 100       | 100      | 98                                 | 61        |  |  |  |       |  |
| 62/ 61       | .1                                  | 1.8 | .9  | 1.5 | .7  | .7   | 1.2   | .3    | .3    | .1    |       |       |       |       |       |                |     | 74        | 74       | 87                                 | 66        |  |  |  |       |  |
| 60/ 59       | .2                                  | .8  | 2.0 | 1.6 | 1.0 | .8   | .8    | .4    | .4    |       |       |       |       |       |       |                |     | 78        | 78       | 100                                | 82        |  |  |  |       |  |
| 58/ 57       | .2                                  | 1.4 | 1.0 | 1.2 | .6  | .7   | .2    | .2    | .1    |       |       |       |       |       |       |                |     | 55        | 55       | 72                                 | 63        |  |  |  |       |  |
| 56/ 55       | .3                                  | 1.1 | .9  | 1.1 | .5  | 1.2  | .2    |       |       |       |       |       |       |       |       |                |     | 53        | 53       | 89                                 | 60        |  |  |  |       |  |
| 54/ 53       | .4                                  | 1.0 | .5  | .9  | .9  | .2   | .1    |       |       |       |       |       |       |       |       |                |     | 40        | 40       | 82                                 | 87        |  |  |  |       |  |
| 52/ 51       |                                     | .8  | .1  | .7  | .2  | .2   | .1    |       |       |       |       |       |       |       |       |                |     | 21        | 21       | 67                                 | 68        |  |  |  |       |  |
| 50/ 49       |                                     | .3  | .3  | .7  | .2  | .4   |       |       |       |       |       |       |       |       |       |                |     | 19        | 19       | 59                                 | 71        |  |  |  |       |  |
| 48/ 47       |                                     | .1  | .6  | .1  | .5  | .1   |       |       |       |       |       |       |       |       |       |                |     | 14        | 14       | 34                                 | 52        |  |  |  |       |  |
| 46/ 45       |                                     |     | .2  | .2  | .1  |      |       |       |       |       |       |       |       |       |       |                |     | 5         | 5        | 45                                 | 16        |  |  |  |       |  |
| 44/ 43       |                                     |     | .1  | .1  | .1  |      |       |       |       |       |       |       |       |       |       |                |     | 3         | 3        | 15                                 | 34        |  |  |  |       |  |
| 42/ 41       |                                     |     | .1  | .1  | .1  |      |       |       |       |       |       |       |       |       |       |                |     | 2         | 2        | 10                                 | 28        |  |  |  |       |  |
| 40/ 39       |                                     |     |     | .1  | .1  |      |       |       |       |       |       |       |       |       |       |                |     | 1         | 1        | 11                                 | 42        |  |  |  |       |  |
| 38/ 37       |                                     | .1  |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     | 1         | 1        | 4                                  | 30        |  |  |  |       |  |
| 36/ 35       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           | 3        | 3                                  | 22        |  |  |  |       |  |
| 34/ 33       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          |                                    | 19        |  |  |  |       |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          |                                    | 13        |  |  |  |       |  |
| 30/ 29       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          |                                    | 8         |  |  |  |       |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          |                                    | 10        |  |  |  |       |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          |                                    | 12        |  |  |  |       |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          |                                    | 6         |  |  |  |       |  |
| 20/ 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          |                                    | 1         |  |  |  |       |  |
| Element (X)  | ΣX <sup>2</sup>                     |     |     |     |     |      |       |       |       |       |       | ΣX    |       | X̄    |       | σ <sub>X</sub> |     | No. Obs.  |          | Mean No. of Hours with Temperature |           |  |  |  | Total |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          | ≥80 F                              |           |  |  |  | ≥93 F |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          | ≥73 F                              |           |  |  |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          | ≥67 F                              |           |  |  |  |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |     |           |          | ≥60 F                              |           |  |  |  |       |  |

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# PSYCHROMETRIC SUMMARY

13758

CHARLESTON, SOUTH CAROLINA NUWSE

73-76

MAY

YEARS

STATION NAME

MONTH

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5705 PSYCHROMETRIC SUMMARY JAN 68

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       | TOTAL |           | Dew Point |     |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-----------|-----|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31   | D.B./W.B. | Wet Bulb  |     |
| 94/ 93       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 1         | 1         |     |
| 92/ 91       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 4         | 4         |     |
| 90/ 89       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 9         | 9         |     |
| 88/ 87       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 17        | 19        |     |
| 86/ 85       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 22        | 25        |     |
| 84/ 83       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 25        | 28        |     |
| 82/ 81       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 48        | 51        | 2   |
| 80/ 79       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 62        | 68        | 3   |
| 78/ 77       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 96        | 98        | 17  |
| 76/ 75       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 126       | 127       | 50  |
| 74/ 73       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 133       | 134       | 96  |
| 72/ 71       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 118       | 118       | 135 |
| 70/ 69       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 121       | 121       | 157 |
| 68/ 67       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 62        | 62        | 127 |
| 66/ 65       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 46        | 46        | 107 |
| 64/ 63       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 27        | 27        | 89  |
| 62/ 61       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 17        | 17        | 83  |
| 60/ 59       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 16        | 16        | 44  |
| 58/ 57       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 7         | 7         | 16  |
| 56/ 55       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 7         | 7         | 21  |
| 54/ 53       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 4         | 4         | 20  |
| 52/ 51       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       | 3         | 3         | 7   |
| 50/ 49       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 9   |
| 48/ 47       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 6   |
| 46/ 45       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 1   |
| 44/ 43       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 10  |
| 42/ 41       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 10  |
| 40/ 39       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 6   |
| 38/ 37       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 6   |
| 36/ 35       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 3   |
| 34/ 33       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 2   |
| 32/ 29       |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |           |           | 2   |
| TOTAL        | 1.4                                 | 14.2 | 25.3 | 20.0 | 14.2 | 9.9  | 6.3   | 4.0   | 2.5   | 1.4   | .7    |       |       |       |       |       |       | 971       | 992       | 971 |

NAVWEASERVCOM



# PSYCHROMETRIC SUMMARY

5705 PSYCHROMETRIC SUMMARY JAN 68

19758 STATION CHARLESTON, SOUTH CAROLINA NWSE 73-76 MONTH JUN  
 PAGE 1 HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           | TOTAL    |          | TOTAL     |  |
|--------------|-------------------------------------|---------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1 - 2   | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 94/ 93       |                                     |         |       |       |       |        |         | .1      | .1      | .1      |         |         |         |         |         |         |      | 3         | 4        |          |           |  |
| 92/ 91       |                                     |         |       |       |       |        | .3      | .2      | .1      |         |         |         |         |         |         |         |      | 6         | 9        |          |           |  |
| 90/ 89       |                                     |         |       |       | .1    |        | .4      | .1      | .1      | .2      |         |         |         |         |         |         |      | 9         | 15       |          |           |  |
| 88/ 87       |                                     |         |       |       | .1    | .2     | 1.2     | .4      | .4      | .2      |         |         |         |         |         |         |      | 24        | 28       |          |           |  |
| 86/ 85       |                                     |         | .1    | .1    | 1.0   | 1.9    | 1.0     | .7      | .2      | .2      | .1      |         |         |         |         |         |      | 43        | 53       |          |           |  |
| 84/ 83       |                                     |         | .1    | 1.0   | 2.0   | 2.2    | .8      | .8      | .4      | .2      |         |         |         |         |         |         |      | 68        | 72       |          |           |  |
| 82/ 81       |                                     |         | .9    | 2.6   | 3.5   | 1.2    | .6      | .3      | .2      |         |         |         |         |         |         |         |      | 83        | 91       | 2        |           |  |
| 80/ 79       |                                     | .1      | 2.8   | 4.4   | 2.3   | 1.2    | .2      | .1      |         |         |         |         |         |         |         |         |      | 100       | 111      | 10       | 3         |  |
| 78/ 77       |                                     | 2.5     | 6.4   | 4.0   | 1.6   | .2     | .1      |         |         |         |         |         |         |         |         |         |      | 133       | 145      | 50       | 2         |  |
| 76/ 75       | .1                                  | 8.4     | 7.0   | 3.5   | .8    | .2     |         |         |         |         |         |         |         |         |         |         |      | 179       | 187      | 170      | 50        |  |
| 74/ 73       | .6                                  | 4.8     | 5.4   | 2.2   |       | .1     |         |         |         |         |         |         |         |         |         |         |      | 117       | 120      | 236      | 172       |  |
| 72/ 71       | 1.1                                 | 3.7     | 1.3   | .3    | .2    | .2     |         |         |         |         |         |         |         |         |         |         |      | 62        | 63       | 192      | 225       |  |
| 70/ 69       | .8                                  | 1.1     | .8    | .1    | .1    |        |         |         |         |         |         |         |         |         |         |         |      | 26        | 26       | 133      | 187       |  |
| 68/ 67       | .4                                  | .9      | .6    | .1    |       |        |         |         |         |         |         |         |         |         |         |         |      | 18        | 18       | 53       | 105       |  |
| 66/ 65       |                                     | .4      | .2    | .2    |       | .1     | .1      |         |         |         |         |         |         |         |         |         |      | 10        | 10       | 20       | 62        |  |
| 64/ 63       |                                     | .2      |       |       |       | .1     |         |         |         |         |         |         |         |         |         |         |      | 3         | 3        | 13       | 40        |  |
| 62/ 61       |                                     | .1      | .2    |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 3         | 3        | 6        | 15        |  |
| 60/ 59       |                                     |         | .1    | .1    |       |        |         |         |         |         |         |         |         |         |         |         |      | 2         | 2        | 2        | 10        |  |
| 58/ 57       |                                     |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 4        | 9         |  |
| 56/ 55       |                                     |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 3        | 9         |  |
| 54/ 53       |                                     |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 2         |  |
| 50/ 49       |                                     |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 2         |  |
| 46/ 45       |                                     |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 2         |  |
| TOTAL        | 3.022                               | 326.018 | 711.7 | 7.8   | 4.8   | 2.9    | 1.7     | 1.0     | .1      |         |         |         |         |         |         |         |      | 894       | 960      | 893      |           |  |

| Element (X) | ΣX <sup>2</sup> | ΣX    | $\bar{X}$ | $\sigma^2_x$ | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        |       |       |  |  | Total |
|-------------|-----------------|-------|-----------|--------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|--|--|-------|
| Rel. Hum.   | 5673781         | 70205 | 78.6      | 13,159       | 893      | ≥ 0 F                              | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |       |  |  |       |
| Dry Bulb    | 5827675         | 74623 | 77.7      | 5,311        | 960      |                                    |        |        |        | 706.5  | 626.3  | 238.5 | 720.0 |  |  |       |
| Wet Bulb    | 4671340         | 64548 | 72.2      | 3,491        | 894      |                                    |        |        |        | 681.3  | 376.9  | 4.0   | 720.0 |  |  |       |
| Dew Point   | 4366561         | 62333 | 69.8      | 4,182        | 893      |                                    |        |        |        | 599.9  | 283.0  | 2.4   | 720.0 |  |  |       |

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## PSYCHROMETRIC SUMMARY

13750

STATION NAME  
CHARLESTON, SOUTH CAROLINA NWSE0

73-76

YEARS

JUL

MONTH

PAGE 1

HOURS (L.S.T.)

5705 PSYCHROMETRIC SUMMARY JAN 68

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           | TOTAL    |          | TOTAL     |  |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 96/ 95       |                                     |       |       |       |       |        |         |         |         | .1      | .1      |         |         |         |         |         |      | 2         | 2        |          |           |  |
| 94/ 93       |                                     |       |       |       |       |        | .2      | .3      | .1      | .1      |         |         |         |         |         |         |      | 7         | 7        |          |           |  |
| 92/ 91       |                                     |       |       |       |       | .2     | .7      | .8      | .4      | .1      | .1      |         |         |         |         |         |      | 22        | 22       |          |           |  |
| 90/ 89       |                                     |       |       |       |       | .5     | 1.6     | .5      | .5      | .1      | .1      |         |         |         |         |         |      | 33        | 33       |          |           |  |
| 88/ 87       |                                     |       |       | .1    | 1.5   | 2.3    | 2.3     | .3      | .2      |         |         |         |         |         |         |         |      | 69        | 69       |          |           |  |
| 86/ 85       |                                     |       | .1    | .6    | 3.4   | 2.8    | 1.0     | .3      | .3      |         |         |         |         |         |         |         |      | 85        | 85       |          |           |  |
| 84/ 83       |                                     | .4    | 1.0   | 3.6   | 4.2   | 2.3    | .6      | .1      | .2      |         |         |         |         |         |         |         |      | 124       | 124      |          | 15        |  |
| 82/ 81       |                                     | .3    | 3.4   | 6.1   | 1.4   | .8     | .8      | .3      |         |         |         |         |         |         |         |         |      | 131       | 131      |          | 56        |  |
| 80/ 79       |                                     | 1.4   | 9.2   | 4.8   | .3    | .6     | .3      | .1      |         |         |         |         |         |         |         |         |      | 166       | 166      |          | 214       |  |
| 78/ 77       | .1                                  | 4.4   | 9.5   | 3.2   | .5    | .2     | .1      |         |         |         |         |         |         |         |         |         |      | 179       | 179      |          | 61        |  |
| 76/ 75       | .1                                  | 5.4   | 3.7   | .5    | .5    |        |         |         |         |         |         |         |         |         |         |         |      | 102       | 102      |          | 208       |  |
| 74/ 73       | .1                                  | 3.2   | 1.5   | .8    | .2    |        |         |         |         |         |         |         |         |         |         |         |      | 58        | 58       |          | 311       |  |
| 72/ 71       |                                     | .4    | .6    |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 10        | 10       |          | 216       |  |
| 70/ 69       |                                     | .4    |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 4         | 4        |          | 96        |  |
| 68/ 67       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 35        |  |
| 66/ 65       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 25        |  |
| 64/ 63       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 1         |  |
| 62/ 61       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 42        |  |
| 60/ 59       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          | 29        |  |
| TOTAL        | .316                                | .029  | .019  | .912  | .1    | 9.8    | 7.7     | 2.9     | 1.7     | .3      | .3      |         |         |         |         |         |      | 992       | 992      | 992      | 992       |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |
|              |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          |          |           |  |

NAWWEASERYCOM

## PSYCHROMETRIC SUMMARY

13738

STATION

CHARLESTON, SOUTH CAROLINA NWSE

73-75

YEARS

AUG

MONTH

PAGE 1

HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | TOTAL     |          | TOTAL    |           |
|--------------|-------------------------------------|---------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|
|              | 0                                   | 1 - 2   | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 96/ 95       |                                     |         |       |       |       |        |         |         | .2      |         |         |         |         |         |         |         |      | 2         | 2        |          |           |
| 94/ 93       |                                     |         |       |       |       |        |         | .3      | .2      | .1      |         |         |         |         |         |         |      | 6         | 6        |          |           |
| 92/ 91       |                                     |         |       |       |       | .1     | .1      | .7      | .3      |         |         |         |         |         |         |         |      | 17        | 17       |          |           |
| 90/ 89       |                                     |         |       | .1    |       | .8     | 1.1     | .9      | .2      | .2      |         |         |         |         |         |         |      | 32        | 32       |          |           |
| 88/ 87       |                                     |         |       | .1    | .7    | 2.1    | 1.4     | .2      | .3      |         |         |         |         |         |         |         |      | 48        | 48       |          |           |
| 86/ 85       |                                     | .1      | .3    | .8    | 2.8   | 2.4    | .1      | .1      |         |         |         |         |         |         |         |         |      | 66        | 66       | 1        |           |
| 84/ 83       |                                     | .1      | 1.3   | 2.5   | 3.4   | .7     | .4      | .1      |         |         |         |         |         |         |         |         |      | 85        | 85       | 3        | 2         |
| 82/ 81       |                                     | 1.1     | 4.1   | 4.6   | 2.0   | .7     | .2      | .1      |         |         |         |         |         |         |         |         |      | 128       | 128      | 9        | 2         |
| 80/ 79       | .1                                  | 3.1     | 9.3   | 3.1   | .6    | .3     |         |         |         |         |         |         |         |         |         |         |      | 164       | 164      | 74       | 15        |
| 78/ 77       | .3                                  | 8.2     | 5.8   | 1.9   | .6    | .2     | .1      |         |         |         |         |         |         |         |         |         |      | 170       | 170      | 228      | 79        |
| 76/ 75       | .9                                  | 7.6     | 3.1   | .8    | .2    |        |         |         |         |         |         |         |         |         |         |         |      | 125       | 125      | 296      | 233       |
| 74/ 73       | 1.2                                 | 4.7     | 1.7   | .8    |       |        |         |         |         |         |         |         |         |         |         |         |      | 84        | 84       | 182      | 305       |
| 72/ 71       | .4                                  | 2.1     | 1.0   | .2    |       |        |         |         |         |         |         |         |         |         |         |         |      | 37        | 37       | 114      | 169       |
| 70/ 69       | .5                                  | 1.1     | .5    | .4    |       |        |         |         |         |         |         |         |         |         |         |         |      | 25        | 25       | 51       | 89        |
| 68/ 67       |                                     | .2      |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 2         | 2        | 22       | 47        |
| 66/ 65       | .1                                  |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 1         | 1        | 9        | 30        |
| 64/ 63       |                                     |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 3        | 15        |
| 62/ 61       |                                     |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 2        | 3         |
| 60/ 59       |                                     |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 2        | 2         |
| 58/ 57       |                                     |         |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 1        | 1         |
| TOTAL        | 3.528                               | 327.215 | 410.4 | 7.4   | 4.0   | 2.2    | 1.2     | .3      |         |         |         |         |         |         |         |         |      | 992       | 992      | 992      | 992       |

| Element (X) | Σ X <sup>2</sup> | Σ X   | X̄   | σ <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        |        |        |        |        | Total |
|-------------|------------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 6728467          | 60797 | 81.4 | 12,206         | 992      | ≥ 67 F                             | ≥ 66 F | ≥ 65 F | ≥ 64 F | ≥ 63 F | ≥ 62 F | ≥ 61 F | ≥ 60 F | ≥ 59 F | ≥ 58 F | Total |
| Dry Bulb    | 6307908          | 78944 | 79.6 | 5,072          | 992      | 743.3                              | 695.3  | 648.0  | 600.0  | 552.0  | 504.8  | 457.0  | 408.0  | 360.0  | 311.0  | 744.0 |
| Wet Bulb    | 5575379          | 74309 | 74.9 | 3,050          | 992      | 735.0                              | 594.8  | 548.0  | 500.0  | 452.0  | 404.0  | 356.0  | 308.0  | 260.0  | 212.0  | 744.0 |
| Dew Point   | 5294727          | 72399 | 73.0 | 3,307          | 992      | 705.8                              | 552.0  | 504.0  | 456.0  | 408.0  | 360.0  | 312.0  | 264.0  | 216.0  | 168.0  | 744.0 |

NAWSEASERVCOM



# PSYCHROMETRIC SUMMARY

13738

CHARLESTON, SOUTH CAROLINA NWS

73-76

SEP

YEARS

STATION NAME

PAGE 1

HOURS (LST.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |     | TOTAL |     | D.B./W.B. | Dry Bulb | Wet Bulb | TOTAL |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----|-------|-----|-----------|----------|----------|-------|
|              | 0                                   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 |     |       |     |           |          |          |       |
| 92/ 91       |                                     |       |       |       |       |        | .1      | .1      | .1      |         |         |         |         |         |         |         |      | 2   | 2     |     |           |          |          |       |
| 90/ 89       |                                     |       |       |       |       | .1     | .6      | .4      | .1      |         |         |         |         |         |         |         |      | 12  | 12    |     |           |          |          |       |
| 88/ 87       |                                     |       |       |       |       | .9     | 1.0     | .3      | .2      |         |         |         |         |         |         |         |      | 22  | 22    |     |           |          |          |       |
| 86/ 85       |                                     |       | .1    | .1    | 1.0   | 1.6    | 1.3     | .3      | .2      |         |         |         |         |         |         |         |      | 44  | 44    |     |           |          |          |       |
| 84/ 83       |                                     |       | .2    | .8    | 2.2   | 1.1    | .6      | .1      | .1      |         |         |         |         |         |         |         |      | 50  | 50    |     |           |          |          |       |
| 82/ 81       |                                     | .1    | 1.4   | 4.6   | 1.8   | 1.4    | .2      | .2      |         |         |         |         |         |         |         |         |      | 90  | 90    | 1   |           |          |          |       |
| 80/ 79       |                                     | .5    | 4.9   | 2.8   | 1.3   | .5     | .1      | .1      | .1      | .2      |         |         |         |         |         |         |      | 99  | 99    | 11  | 3         |          |          |       |
| 78/ 77       |                                     | 5.8   | 5.4   | 2.3   | .9    | .1     | .3      |         | .1      |         |         |         |         |         |         |         |      | 146 | 146   | 82  | 9         |          |          |       |
| 76/ 75       | 1.1                                 | 9.1   | 4.1   | .9    | .1    | .1     | .1      |         |         |         |         |         |         |         |         |         |      | 148 | 148   | 248 | 117       |          |          |       |
| 74/ 73       | 1.8                                 | 7.2   | 3.2   | .6    | .3    | .1     | .2      |         |         |         |         |         |         |         |         |         |      | 127 | 127   | 215 | 253       |          |          |       |
| 72/ 71       | .8                                  | 3.9   | 1.9   | .3    | .1    | .3     | .1      | .2      |         |         |         |         |         |         |         |         |      | 73  | 73    | 142 | 178       |          |          |       |
| 70/ 69       | .5                                  | 3.2   | 1.6   | .5    | .2    | .2     | .1      |         |         |         |         |         |         |         |         |         |      | 59  | 59    | 86  | 121       |          |          |       |
| 68/ 67       | .4                                  | 1.7   | .6    | .4    | .4    | .2     |         |         |         |         |         |         |         |         |         |         |      | 36  | 36    | 59  | 102       |          |          |       |
| 66/ 65       | .2                                  | .8    | .8    | .7    |       | .1     |         |         |         |         |         |         |         |         |         |         |      | 18  | 18    | 34  | 60        |          |          |       |
| 64/ 63       | .1                                  | .5    | .2    | .2    | .2    |        |         |         |         |         |         |         |         |         |         |         |      | 12  | 12    | 14  | 32        |          |          |       |
| 62/ 61       | .7                                  | .7    | .3    | .1    |       |        |         |         |         |         |         |         |         |         |         |         |      | 11  | 11    | 31  | 20        |          |          |       |
| 60/ 59       | .1                                  | .1    | .3    | .1    |       |        |         |         |         |         |         |         |         |         |         |         |      | 6   | 6     | 14  | 23        |          |          |       |
| 58/ 57       | .3                                  |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 3   | 3     | 12  | 15        |          |          |       |
| 56/ 55       |                                     |       | .1    |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 1   | 1     | 8   | 15        |          |          |       |
| 54/ 53       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |     |       | 1   | 8         |          |          |       |
| 52/ 51       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |     |       | 1   | 4         |          |          |       |
| 50/ 49       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |     |       |     | 4         |          |          |       |
| 48/ 47       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |     |       |     | 4         |          |          |       |
| 46/ 45       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |     |       |     | 1         |          |          |       |
| TOTAL        | 4.9                                 | 33.4  | 25.1  | 14.6  | 8.6   | 6.5    | 4.4     | 1.8     | .6      | .2      |         |         |         |         |         |         |      | 959 | 959   | 959 | 959       |          |          |       |

| Element (X) | ΣX <sup>2</sup> | ΣX    | Σ    | σ <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |       | Total |
|-------------|-----------------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|-------|-------|
| Rel. Hum.   | 6652576         | 78988 | 82.3 | 12.651         | 960      | ≥ 67 F                             | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |       |
| Dry Bulb    | 5606117         | 73107 | 76.2 | 5.867          | 959      | 681.7                              | 555.6  | 200.5  |        | 720.0 |       |
| Wet Bulb    | 4991510         | 69038 | 72.0 | 4.736          | 959      | 633.7                              | 418.2  | 3.0    |        | 720.0 |       |
| Dew Point   | 4728924         | 67142 | 70.0 | 5.420          | 959      | 595.4                              | 369.4  | 2.3    |        | 720.0 |       |

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# PSYCHROMETRIC SUMMARY

5705 PSYCHROMETRIC SUMMARY JAN 68

13758 CHARLESTON, SOUTH CAROLINA NWSE 73-76  
STATION NAME

YEARS  
MONTH  
OCT  
PAGE 1  
HOURS (LST)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | TOTAL     |          | TOTAL    |  | Dew Point |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|--|-----------|
|              | 0                                   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb |  |           |
| 86/ 85       |                                     |       |       |       |       | .2     | .2      |         |         |         |         |         |         |         |         |         |      | 4         | 4        |          |  |           |
| 84/ 83       |                                     |       |       |       |       | .3     | .2      |         |         |         |         |         |         |         |         |         |      | 7         | 7        |          |  |           |
| 82/ 81       |                                     |       |       |       |       | .1     | .3      |         |         |         |         |         |         |         |         |         |      | 12        | 12       |          |  |           |
| 80/ 79       |                                     |       |       |       |       | .1     | .3      |         |         |         |         |         |         |         |         |         |      | 27        | 27       |          |  |           |
| 78/ 77       |                                     |       |       |       |       | .1     | .5      |         |         |         |         |         |         |         |         |         |      | 45        | 45       |          |  |           |
| 76/ 75       |                                     |       |       |       |       | .1     | .8      |         |         |         |         |         |         |         |         |         |      | 61        | 61       | 4        |  |           |
| 74/ 73       |                                     |       |       |       |       | .3     | .8      |         |         |         |         |         |         |         |         |         |      | 73        | 73       | 5        |  |           |
| 72/ 71       |                                     |       |       |       |       | .1     | .8      |         |         |         |         |         |         |         |         |         |      | 84        | 84       | 19       |  |           |
| 70/ 69       |                                     |       |       |       |       | .1     | .5      |         |         |         |         |         |         |         |         |         |      | 99        | 99       | 30       |  |           |
| 68/ 67       |                                     |       |       |       |       | .3     | .4      |         |         |         |         |         |         |         |         |         |      | 99        | 99       | 50       |  |           |
| 66/ 65       |                                     |       |       |       |       | .5     | .5      |         |         |         |         |         |         |         |         |         |      | 100       | 100      | 59       |  |           |
| 64/ 63       |                                     |       |       |       |       | .8     | .2      |         |         |         |         |         |         |         |         |         |      | 87        | 87       | 101      |  |           |
| 62/ 61       |                                     |       |       |       |       | .5     | .6      |         |         |         |         |         |         |         |         |         |      | 73        | 73       | 95       |  |           |
| 60/ 59       |                                     |       |       |       |       | .2     | .5      |         |         |         |         |         |         |         |         |         |      | 76        | 76       | 110      |  |           |
| 58/ 57       |                                     |       |       |       |       | .4     | .5      |         |         |         |         |         |         |         |         |         |      | 63        | 63       | 89       |  |           |
| 56/ 55       |                                     |       |       |       |       | .3     | .5      |         |         |         |         |         |         |         |         |         |      | 63        | 63       | 88       |  |           |
| 54/ 53       |                                     |       |       |       |       | .6     | .2      |         |         |         |         |         |         |         |         |         |      | 43        | 43       | 67       |  |           |
| 52/ 51       |                                     |       |       |       |       | .4     | .7      |         |         |         |         |         |         |         |         |         |      | 32        | 32       | 68       |  |           |
| 50/ 49       |                                     |       |       |       |       | .8     | .1      |         |         |         |         |         |         |         |         |         |      | 22        | 22       | 47       |  |           |
| 48/ 47       |                                     |       |       |       |       | .5     | .7      |         |         |         |         |         |         |         |         |         |      | 28        | 28       | 35       |  |           |
| 46/ 45       |                                     |       |       |       |       | .3     | .3      |         |         |         |         |         |         |         |         |         |      | 16        | 16       | 35       |  |           |
| 44/ 43       |                                     |       |       |       |       | .5     | .5      |         |         |         |         |         |         |         |         |         |      | 13        | 13       | 25       |  |           |
| 42/ 41       |                                     |       |       |       |       | .3     | .1      |         |         |         |         |         |         |         |         |         |      | 13        | 13       | 34       |  |           |
| 40/ 39       |                                     |       |       |       |       | .1     | .2      |         |         |         |         |         |         |         |         |         |      | 7         | 7        | 35       |  |           |
| 38/ 37       |                                     |       |       |       |       | .2     |         |         |         |         |         |         |         |         |         |         |      | 4         | 4        | 17       |  |           |
| 36/ 35       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 2         | 2        | 33       |  |           |
| 34/ 33       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 5         | 5        | 6        |  |           |
| 32/ 31       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      | 6         | 6        | 6        |  |           |
| 30/ 29       |                                     |       |       |       |       |        |         |         |         |         |         |         |         |         |         |         |      |           |          | 2        |  |           |
| TOTAL        | 4.126                               | .022  | .617  | .410  | .6    | 8.3    | 5.2     | 2.5     | .9      | .4      |         |         |         |         |         |         |      | 991       | 992      | 991      |  |           |

| Element (X) | ΣX <sup>2</sup> | ΣX    | X̄   | s <sup>2</sup> x | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        | Total |
|-------------|-----------------|-------|------|------------------|----------|------------------------------------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 6025370         | 75674 | 76.4 | 15.789           | 991      | ≤ 60 F                             | ≥ 60 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | 744.0 |
| Dry Bulb    | 4378963         | 65357 | 65.9 | 8.581            | 992      |                                    |        |        |        | 25.5   | 744.0 |
| Wet Bulb    | 3758792         | 60492 | 61.0 | 6.182            | 991      |                                    |        |        |        |        | 744.0 |
| Dew Point   | 3386624         | 57112 | 57.6 | 9.807            | 991      |                                    |        |        |        |        | 744.0 |

NAVWEASERVCOM



## 2

PAGE 2

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

YEARS

DEC

MONTH

PAGE 1

HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    | TOTAL     |          | TOTAL |          |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|-----------|------------|----------|---------|---------|------------------------------------|-----------|----------|-------|----------|
|              | 0                                   | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22   | 23 - 24    | 25 - 26  | 27 - 28 | 29 - 30 | ≥ 31                               | D.B./W.B. | Dry Bulb |       | Wet Bulb |
| 76/ 75       |                                     |       |       | .1    | .2    |        | .1      |         |         |         |         |           |            |          |         |         |                                    | 3         | 3        |       |          |
| 74/ 73       |                                     |       |       | .1    |       |        |         |         |         |         |         |           |            |          |         |         |                                    | 2         | 2        |       |          |
| 72/ 71       |                                     | .2    | .2    | .3    | .4    | .1     |         |         |         |         |         |           |            |          |         |         |                                    | 12        | 12       |       |          |
| 70/ 69       |                                     |       | .4    | .1    | .2    | .2     |         |         |         |         |         |           |            |          |         |         |                                    | 9         | 9        | 4     |          |
| 68/ 67       |                                     | .3    | .4    | .4    | .1    |        | .1      |         |         |         |         |           |            |          |         |         |                                    | 14        | 14       | 5     | 2        |
| 66/ 65       | .2                                  | 1.2   | .4    | .7    | .3    | .1     | .1      |         |         |         |         |           |            |          |         |         |                                    | 30        | 30       | 16    | 8        |
| 64/ 63       | .9                                  | 2.4   | 1.1   | .6    | .4    | .1     | .2      | .1      |         |         |         |           |            |          |         |         |                                    | 60        | 60       | 36    | 26       |
| 62/ 61       | 1.0                                 | 2.2   | .7    | .9    | .2    | .5     | .1      | .2      | .1      |         |         |           |            |          |         |         |                                    | 53        | 53       | 45    | 39       |
| 60/ 59       | 2.0                                 | 3.0   | 1.2   | .7    | .4    | .3     | .2      | .2      | .2      |         |         |           |            |          |         |         |                                    | 80        | 80       | 68    | 60       |
| 58/ 57       | 1.4                                 | 3.6   | .8    | .4    | .4    | .4     | .3      | .2      | .2      |         |         |           |            |          |         |         |                                    | 75        | 75       | 61    | 60       |
| 56/ 55       | .7                                  | 2.9   | 1.3   | .5    | .7    | .4     | .6      | .1      |         |         |         |           |            |          |         |         |                                    | 71        | 71       | 73    | 56       |
| 54/ 53       | 1.2                                 | 1.9   | 1.0   | .6    | 1.3   | .5     | .2      | .1      |         |         |         |           |            |          |         |         |                                    | 68        | 68       | 51    | 62       |
| 52/ 51       | .8                                  | 1.7   | 1.4   | .6    | 1.5   | .6     | .1      | .2      |         |         |         |           |            |          |         |         |                                    | 69        | 69       | 54    | 62       |
| 50/ 49       | .3                                  | 2.3   | 1.2   | 1.0   | .9    | .6     | .2      | .2      |         |         |         |           |            |          |         |         |                                    | 65        | 65       | 50    | 43       |
| 48/ 47       | .4                                  | 1.7   | 1.4   | 1.2   | .9    | .6     | .1      |         |         |         |         |           |            |          |         |         |                                    | 63        | 64       | 58    | 37       |
| 46/ 45       | .2                                  | 2.2   | 1.6   | 1.1   | .8    | .7     |         |         |         |         |         |           |            |          |         |         |                                    | 66        | 66       | 67    | 35       |
| 44/ 43       | .5                                  | 1.1   | 1.3   | 1.6   | .5    | .3     |         |         |         |         |         |           |            |          |         |         |                                    | 53        | 54       | 72    | 55       |
| 42/ 41       | .3                                  | 1.0   | 1.9   | 1.7   | .6    | .2     |         |         |         |         |         |           |            |          |         |         |                                    | 57        | 57       | 60    | 44       |
| 40/ 39       | .2                                  | 1.1   | 2.1   | 1.5   | .5    | .2     |         |         |         |         |         |           |            |          |         |         |                                    | 56        | 56       | 55    | 36       |
| 38/ 37       | .6                                  | 1.2   | 1.0   | 1.0   | .3    |        |         |         |         |         |         |           |            |          |         |         |                                    | 33        | 33       | 64    | 45       |
| 36/ 35       | .2                                  | .4    | .5    | .2    | .2    |        |         |         |         |         |         |           |            |          |         |         |                                    | 15        | 15       | 53    | 56       |
| 34/ 33       | .1                                  | .1    | .8    | .5    |       |        |         |         |         |         |         |           |            |          |         |         |                                    | 15        | 15       | 38    | 46       |
| 32/ 31       |                                     | .3    | .9    | .2    |       |        |         |         |         |         |         |           |            |          |         |         |                                    | 14        | 14       | 18    | 39       |
| 30/ 29       |                                     | .1    | .2    | .2    |       |        |         |         |         |         |         |           |            |          |         |         |                                    | 5         | 5        | 23    | 43       |
| 28/ 27       |                                     | .1    |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    | 1         | 1        | 11    | 32       |
| 26/ 25       |                                     |       | .1    |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    | 1         | 1        | 5     | 32       |
| 24/ 23       |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           | 2        | 2     | 29       |
| 22/ 21       |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           | 1        | 1     | 21       |
| 20/ 19       |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           |          |       | 13       |
| 18/ 17       |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           |          |       | 10       |
| 16/ 15       |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           |          |       | 8        |
| 14/ 13       |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           |          |       | 3        |
| 12/ 11       |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           |          |       | 3        |
| 10/ 9        |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           |          |       | 3        |
| Element (X)  | $\Sigma X$                          |       |       |       |       |        |         |         |         |         |         | $\bar{X}$ | $\sigma_x$ | No. Obs. |         |         | Mean No. of Hours with Temperature |           |          |       |          |
| Rel. Hum.    |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          | ± 80 F  |         |                                    | ± 89 F    |          | Total |          |
| Dry Bulb     |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           |          |       |          |
| Wet Bulb     |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           |          |       |          |
| Dew Point    |                                     |       |       |       |       |        |         |         |         |         |         |           |            |          |         |         |                                    |           |          |       |          |

NAWWEASERVCOM





13758

CHARLESTON, SOUTH CAROLINA NWSE

73-76

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | TOTAL     |            | TOTAL                              |        | Dew Point |        |        |       |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|------------|------------------------------------|--------|-----------|--------|--------|-------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb   | Wet Bulb                           |        |           |        |        |       |
| 96/95        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 4         | 4          |                                    |        |           |        |        |       |
| 94/93        |                                     |     |     |     |     |      |       |       | .1    | .0    |       |       |       |       |       |       |     | 17        | 18         |                                    |        |           |        |        |       |
| 92/91        |                                     |     |     |     |     |      |       | .2    | .1    | .1    | .0    | .0    |       |       |       |       |     | 51        | 54         |                                    |        |           |        |        |       |
| 90/89        |                                     |     |     |     |     |      | .4    | .2    | .1    | .1    | .0    | .0    |       |       |       |       |     | 95        | 101        |                                    |        |           |        |        |       |
| 88/87        |                                     |     |     |     |     |      | .5    | .6    | .1    | .1    | .0    | .0    |       |       |       |       |     | 180       | 186        |                                    |        |           |        |        |       |
| 86/85        |                                     | .0  | .1  | .1  | .7  | .8   | .3    | .1    | .1    | .1    | .0    | .0    |       |       |       |       |     | 271       | 279        | 1                                  |        |           |        |        |       |
| 84/83        |                                     | .0  | .2  | .7  | 1.1 | .6   | .3    | .1    | .1    | .1    | .0    | .0    |       |       |       |       |     | 369       | 376        | 3                                  |        |           |        |        |       |
| 82/81        |                                     | .1  | .8  | 1.6 | .9  | .4   | .3    | .1    | .1    | .1    | .0    | .0    |       |       |       |       |     | 508       | 519        | 29                                 |        |           |        |        |       |
| 80/79        | .0                                  | .5  | 2.3 | 1.5 | .6  | .4   | .2    | .1    | .1    | .0    | .0    | .0    |       |       |       |       |     | 639       | 656        | 154                                |        |           |        |        |       |
| 78/77        | .0                                  | 1.8 | 2.5 | 1.3 | .7  | .4   | .3    | .1    | .1    | .1    | .0    | .0    |       |       |       |       |     | 832       | 846        | 595                                |        |           |        |        |       |
| 76/75        | .2                                  | 2.7 | 2.1 | .9  | .6  | .4   | .3    | .2    | .1    | .1    | .0    | .0    |       |       |       |       |     | 840       | 849        | 1093                               |        |           |        |        |       |
| 74/73        | .3                                  | 1.9 | 1.7 | 1.0 | .4  | .3   | .2    | .1    | .1    | .0    | .0    | .0    |       |       |       |       |     | 707       | 711        | 1006                               |        |           |        |        |       |
| 72/71        | .2                                  | 1.4 | 1.1 | .9  | .5  | .4   | .3    | .1    | .1    | .0    | .0    | .0    | .0    |       |       |       |     | 572       | 573        | 743                                |        |           |        |        |       |
| 70/69        | .2                                  | 1.4 | 1.4 | 1.0 | .5  | .4   | .2    | .1    | .1    | .0    | .0    | .0    | .0    |       |       |       |     | 598       | 598        | 634                                |        |           |        |        |       |
| 68/67        | .2                                  | 1.4 | 1.1 | .8  | .3  | .3   | .2    | .1    | .1    | .0    | .0    | .0    | .0    |       |       |       |     | 543       | 543        | 563                                |        |           |        |        |       |
| 66/65        | .2                                  | 1.4 | 1.0 | .8  | .4  | .2   | .2    | .1    | .1    | .0    | .0    | .0    | .0    |       |       |       |     | 515       | 515        | 588                                |        |           |        |        |       |
| 64/63        | .4                                  | 1.4 | 1.0 | .6  | .4  | .4   | .3    | .1    | .1    | .0    | .0    | .0    | .0    |       |       |       |     | 536       | 536        | 577                                |        |           |        |        |       |
| 62/61        | .4                                  | 1.6 | .9  | .6  | .4  | .3   | .2    | .1    | .1    | .1    | .0    | .0    | .0    |       |       |       |     | 521       | 521        | 585                                |        |           |        |        |       |
| 60/59        | .4                                  | 1.4 | .8  | .6  | .4  | .3   | .3    | .1    | .1    | .1    | .0    | .0    | .0    |       |       |       |     | 501       | 501        | 603                                |        |           |        |        |       |
| 58/57        | .4                                  | 1.2 | .7  | .5  | .4  | .3   | .2    | .1    | .1    | .0    | .0    | .0    | .0    |       |       |       |     | 434       | 434        | 498                                |        |           |        |        |       |
| 56/55        | .3                                  | .9  | .6  | .6  | .4  | .4   | .2    | .1    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 387       | 388        | 437                                |        |           |        |        |       |
| 54/53        | .3                                  | .8  | .7  | .5  | .5  | .2   | .1    | .1    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 348       | 348        | 410                                |        |           |        |        |       |
| 52/51        | .3                                  | .7  | .7  | .5  | .5  | .2   | .1    | .1    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 329       | 329        | 369                                |        |           |        |        |       |
| 50/49        | .1                                  | .8  | .6  | .4  | .2  | .2   | .1    | .1    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 281       | 281        | 369                                |        |           |        |        |       |
| 48/47        | .1                                  | .6  | .7  | .4  | .3  | .2   | .1    | .1    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 265       | 266        | 366                                |        |           |        |        |       |
| 46/45        | .1                                  | .6  | .6  | .3  | .3  | .1   | .0    | .0    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 246       | 246        | 377                                |        |           |        |        |       |
| 44/43        | .1                                  | .4  | .4  | .3  | .2  | .1   | .0    | .0    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 182       | 183        | 271                                |        |           |        |        |       |
| 42/41        | .1                                  | .4  | .5  | .4  | .2  | .1   | .0    | .0    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 185       | 185        | 236                                |        |           |        |        |       |
| 40/39        | .1                                  | .3  | .4  | .3  | .1  | .0   | .0    | .0    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 146       | 146        | 220                                |        |           |        |        |       |
| 38/37        | .0                                  | .1  | .2  | .2  | .1  | .0   | .0    | .0    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 83        | 83         | 207                                |        |           |        |        |       |
| 36/35        | .0                                  | .2  | .1  | .1  | .0  | .0   | .0    | .0    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 55        | 55         | 138                                |        |           |        |        |       |
| 34/33        | .0                                  | .0  | .1  | .1  | .0  | .0   | .0    | .0    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 32        | 32         | 101                                |        |           |        |        |       |
| 32/31        | .0                                  | .1  | .1  | .1  | .0  | .0   | .0    | .0    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 38        | 38         | 57                                 |        |           |        |        |       |
| 30/29        | .0                                  | .1  | .1  | .1  | .0  | .0   | .0    | .0    | .0    | .0    | .0    | .0    | .0    |       |       |       |     | 18        | 18         | 52                                 |        |           |        |        |       |
| Element (X)  | $\Sigma X$                          |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     | $\bar{X}$ | $\sigma_x$ | Mean No. of Hours with Temperature |        |           |        |        | Total |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |            | ≥ 80 F                             | ≥ 73 F | ≥ 67 F    | ≥ 62 F | ≥ 59 F | Total |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |            |                                    |        |           |        |        |       |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |            |                                    |        |           |        |        |       |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |            |                                    |        |           |        |        |       |

NAWFEASERVCOM



## MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13758 CHARLESTON, SOUTH CAROLINA NUSED 73-76

STATION

STATION NAME

YEARS

| HRS.(LST.) | JAN.   | FEB.   | MAR.  | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.   | DEC.  | ANNUAL   |
|------------|--|--|---|---|---|---|---|---|---|---|--|---|--|
| 01         | MEAN<br>51.4<br>S.D.<br>9.971<br>TOTAL OBS<br>93   | MEAN<br>50.6<br>S.D.<br>9.393<br>TOTAL OBS<br>93   | MEAN<br>57.3<br>S.D.<br>7.683<br>TOTAL OBS<br>124 | MEAN<br>61.3<br>S.D.<br>6.763<br>TOTAL OBS<br>120 | MEAN<br>69.8<br>S.D.<br>5.097<br>TOTAL OBS<br>124 | MEAN<br>74.6<br>S.D.<br>3.276<br>TOTAL OBS<br>120 | MEAN<br>77.8<br>S.D.<br>2.875<br>TOTAL OBS<br>124 | MEAN<br>76.7<br>S.D.<br>2.966<br>TOTAL OBS<br>124 | MEAN<br>73.7<br>S.D.<br>4.153<br>TOTAL OBS<br>120 | MEAN<br>63.1<br>S.D.<br>7.907<br>TOTAL OBS<br>124 | MEAN<br>54.7<br>S.D.<br>9.097<br>TOTAL OBS<br>120  | MEAN<br>49.0<br>S.D.<br>9.236<br>TOTAL OBS<br>124 | MEAN<br>63.7<br>S.D.<br>12.418<br>TOTAL OBS<br>1430  |
| 04         | MEAN<br>51.1<br>S.D.<br>10.203<br>TOTAL OBS<br>93  | MEAN<br>49.2<br>S.D.<br>9.941<br>TOTAL OBS<br>93   | MEAN<br>56.6<br>S.D.<br>8.462<br>TOTAL OBS<br>124 | MEAN<br>59.7<br>S.D.<br>7.353<br>TOTAL OBS<br>120 | MEAN<br>68.6<br>S.D.<br>5.432<br>TOTAL OBS<br>124 | MEAN<br>73.3<br>S.D.<br>3.272<br>TOTAL OBS<br>120 | MEAN<br>76.6<br>S.D.<br>2.715<br>TOTAL OBS<br>124 | MEAN<br>75.5<br>S.D.<br>3.008<br>TOTAL OBS<br>124 | MEAN<br>72.4<br>S.D.<br>4.174<br>TOTAL OBS<br>120 | MEAN<br>61.5<br>S.D.<br>8.337<br>TOTAL OBS<br>124 | MEAN<br>53.0<br>S.D.<br>9.639<br>TOTAL OBS<br>120  | MEAN<br>47.9<br>S.D.<br>9.342<br>TOTAL OBS<br>124 | MEAN<br>62.4<br>S.D.<br>12.569<br>TOTAL OBS<br>1430  |
| 07         | MEAN<br>49.5<br>S.D.<br>11.181<br>TOTAL OBS<br>93  | MEAN<br>47.9<br>S.D.<br>10.026<br>TOTAL OBS<br>93  | MEAN<br>55.4<br>S.D.<br>8.604<br>TOTAL OBS<br>124 | MEAN<br>59.5<br>S.D.<br>7.671<br>TOTAL OBS<br>120 | MEAN<br>69.8<br>S.D.<br>5.997<br>TOTAL OBS<br>124 | MEAN<br>75.0<br>S.D.<br>3.719<br>TOTAL OBS<br>120 | MEAN<br>77.5<br>S.D.<br>2.325<br>TOTAL OBS<br>124 | MEAN<br>76.0<br>S.D.<br>3.313<br>TOTAL OBS<br>124 | MEAN<br>72.2<br>S.D.<br>4.811<br>TOTAL OBS<br>119 | MEAN<br>60.0<br>S.D.<br>8.265<br>TOTAL OBS<br>124 | MEAN<br>52.1<br>S.D.<br>10.156<br>TOTAL OBS<br>120 | MEAN<br>46.7<br>S.D.<br>9.762<br>TOTAL OBS<br>124 | MEAN<br>62.1<br>S.D.<br>13.520<br>TOTAL OBS<br>1429  |
| 10         | MEAN<br>54.0<br>S.D.<br>11.295<br>TOTAL OBS<br>93  | MEAN<br>54.5<br>S.D.<br>9.575<br>TOTAL OBS<br>93   | MEAN<br>62.2<br>S.D.<br>8.714<br>TOTAL OBS<br>124 | MEAN<br>67.2<br>S.D.<br>7.783<br>TOTAL OBS<br>120 | MEAN<br>70.4<br>S.D.<br>5.922<br>TOTAL OBS<br>124 | MEAN<br>81.0<br>S.D.<br>4.605<br>TOTAL OBS<br>120 | MEAN<br>83.7<br>S.D.<br>3.359<br>TOTAL OBS<br>124 | MEAN<br>82.5<br>S.D.<br>4.559<br>TOTAL OBS<br>124 | MEAN<br>78.9<br>S.D.<br>5.834<br>TOTAL OBS<br>120 | MEAN<br>67.7<br>S.D.<br>7.859<br>TOTAL OBS<br>124 | MEAN<br>59.8<br>S.D.<br>9.483<br>TOTAL OBS<br>120  | MEAN<br>51.8<br>S.D.<br>9.132<br>TOTAL OBS<br>124 | MEAN<br>68.7<br>S.D.<br>13.623<br>TOTAL OBS<br>1430  |
| 13         | MEAN<br>59.6<br>S.D.<br>11.728<br>TOTAL OBS<br>93  | MEAN<br>59.7<br>S.D.<br>9.436<br>TOTAL OBS<br>93   | MEAN<br>66.4<br>S.D.<br>8.874<br>TOTAL OBS<br>124 | MEAN<br>70.1<br>S.D.<br>7.222<br>TOTAL OBS<br>120 | MEAN<br>79.9<br>S.D.<br>5.837<br>TOTAL OBS<br>124 | MEAN<br>83.1<br>S.D.<br>3.389<br>TOTAL OBS<br>120 | MEAN<br>86.0<br>S.D.<br>4.129<br>TOTAL OBS<br>124 | MEAN<br>85.2<br>S.D.<br>5.145<br>TOTAL OBS<br>124 | MEAN<br>81.2<br>S.D.<br>5.784<br>TOTAL OBS<br>120 | MEAN<br>72.4<br>S.D.<br>7.336<br>TOTAL OBS<br>124 | MEAN<br>65.0<br>S.D.<br>9.470<br>TOTAL OBS<br>120  | MEAN<br>56.9<br>S.D.<br>8.835<br>TOTAL OBS<br>124 | MEAN<br>72.5<br>S.D.<br>12.693<br>TOTAL OBS<br>1430  |
| 16         | MEAN<br>59.5<br>S.D.<br>10.977<br>TOTAL OBS<br>93  | MEAN<br>59.5<br>S.D.<br>8.420<br>TOTAL OBS<br>93   | MEAN<br>65.6<br>S.D.<br>7.972<br>TOTAL OBS<br>124 | MEAN<br>69.3<br>S.D.<br>6.520<br>TOTAL OBS<br>120 | MEAN<br>77.8<br>S.D.<br>5.421<br>TOTAL OBS<br>124 | MEAN<br>81.0<br>S.D.<br>4.866<br>TOTAL OBS<br>120 | MEAN<br>84.3<br>S.D.<br>4.218<br>TOTAL OBS<br>124 | MEAN<br>82.9<br>S.D.<br>4.522<br>TOTAL OBS<br>124 | MEAN<br>80.3<br>S.D.<br>5.028<br>TOTAL OBS<br>120 | MEAN<br>71.4<br>S.D.<br>6.578<br>TOTAL OBS<br>124 | MEAN<br>64.2<br>S.D.<br>8.726<br>TOTAL OBS<br>120  | MEAN<br>56.7<br>S.D.<br>7.946<br>TOTAL OBS<br>124 | MEAN<br>71.3<br>S.D.<br>11.762<br>TOTAL OBS<br>1430  |
| 19         | MEAN<br>54.4<br>S.D.<br>9.663<br>TOTAL OBS<br>93   | MEAN<br>54.5<br>S.D.<br>8.344<br>TOTAL OBS<br>93   | MEAN<br>61.6<br>S.D.<br>6.995<br>TOTAL OBS<br>124 | MEAN<br>65.9<br>S.D.<br>5.442<br>TOTAL OBS<br>120 | MEAN<br>74.1<br>S.D.<br>4.949<br>TOTAL OBS<br>124 | MEAN<br>78.2<br>S.D.<br>3.966<br>TOTAL OBS<br>120 | MEAN<br>81.5<br>S.D.<br>3.432<br>TOTAL OBS<br>124 | MEAN<br>80.0<br>S.D.<br>3.318<br>TOTAL OBS<br>124 | MEAN<br>76.6<br>S.D.<br>4.276<br>TOTAL OBS<br>120 | MEAN<br>66.9<br>S.D.<br>6.412<br>TOTAL OBS<br>124 | MEAN<br>58.5<br>S.D.<br>7.618<br>TOTAL OBS<br>120  | MEAN<br>52.6<br>S.D.<br>7.489<br>TOTAL OBS<br>124 | MEAN<br>67.4<br>S.D.<br>11.950<br>TOTAL OBS<br>1430  |
| 22         | MEAN<br>52.3<br>S.D.<br>9.550<br>TOTAL OBS<br>93   | MEAN<br>52.0<br>S.D.<br>8.881<br>TOTAL OBS<br>93   | MEAN<br>59.1<br>S.D.<br>6.877<br>TOTAL OBS<br>124 | MEAN<br>63.0<br>S.D.<br>5.893<br>TOTAL OBS<br>120 | MEAN<br>71.6<br>S.D.<br>4.881<br>TOTAL OBS<br>124 | MEAN<br>75.6<br>S.D.<br>3.205<br>TOTAL OBS<br>120 | MEAN<br>79.1<br>S.D.<br>2.901<br>TOTAL OBS<br>124 | MEAN<br>77.9<br>S.D.<br>2.925<br>TOTAL OBS<br>124 | MEAN<br>74.6<br>S.D.<br>4.411<br>TOTAL OBS<br>120 | MEAN<br>64.2<br>S.D.<br>7.083<br>TOTAL OBS<br>124 | MEAN<br>56.2<br>S.D.<br>8.219<br>TOTAL OBS<br>120  | MEAN<br>50.6<br>S.D.<br>8.246<br>TOTAL OBS<br>124 | MEAN<br>65.0<br>S.D.<br>12.057<br>TOTAL OBS<br>1430  |
| ALL HOURS  | MEAN<br>54.0<br>S.D.<br>11.121<br>TOTAL OBS<br>744 | MEAN<br>53.5<br>S.D.<br>10.115<br>TOTAL OBS<br>904 | MEAN<br>60.5<br>S.D.<br>8.909<br>TOTAL OBS<br>992 | MEAN<br>64.5<br>S.D.<br>7.915<br>TOTAL OBS<br>960 | MEAN<br>73.5<br>S.D.<br>6.703<br>TOTAL OBS<br>992 | MEAN<br>77.7<br>S.D.<br>5.312<br>TOTAL OBS<br>960 | MEAN<br>80.8<br>S.D.<br>4.687<br>TOTAL OBS<br>992 | MEAN<br>79.6<br>S.D.<br>5.072<br>TOTAL OBS<br>992 | MEAN<br>76.2<br>S.D.<br>5.868<br>TOTAL OBS<br>959 | MEAN<br>65.9<br>S.D.<br>8.581<br>TOTAL OBS<br>992 | MEAN<br>57.9<br>S.D.<br>10.145<br>TOTAL OBS<br>960 | MEAN<br>51.5<br>S.D.<br>9.445<br>TOTAL OBS<br>992 | MEAN<br>66.6<br>S.D.<br>13.123<br>TOTAL OBS<br>11439 |



## MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13758 CHARLESTON, SOUTH CAROLINA NWSE 73-76

| HRS (LST.) | STATION NAME |        |        |       |       |       |       |       |       |       |        |        | ANNUAL |
|------------|--------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
|            | JAN.         | FEB.   | MAR.   | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.   | DEC.   |        |
| 01         | MEAN         | 48.9   | 47.1   | 53.9  | 56.8  | 71.4  | 74.3  | 74.0  | 71.5  | 60.2  | 52.1   | 46.4   | 60.5   |
|            | S. D.        | 10.730 | 9.645  | 8.381 | 7.430 | 3.404 | 2.633 | 3.013 | 4.413 | 8.447 | 9.714  | 10.198 | 12.717 |
|            | TOTAL OBS    | 93     | 113    | 124   | 120   | 111   | 124   | 124   | 120   | 124   | 120    | 124    | 1419   |
| 04         | MEAN         | 48.7   | 45.9   | 53.4  | 55.5  | 70.7  | 73.7  | 73.6  | 70.8  | 59.0  | 50.9   | 45.5   | 59.6   |
|            | S. D.        | 11.146 | 9.926  | 8.947 | 7.902 | 3.436 | 2.509 | 2.944 | 4.584 | 8.875 | 10.180 | 10.210 | 12.973 |
|            | TOTAL OBS    | 93     | 113    | 124   | 120   | 111   | 124   | 124   | 120   | 124   | 120    | 124    | 1419   |
| 07         | MEAN         | 47.5   | 45.0   | 52.5  | 55.5  | 71.4  | 74.0  | 73.7  | 70.2  | 57.3  | 50.1   | 44.5   | 59.2   |
|            | S. D.        | 11.911 | 10.581 | 8.946 | 8.373 | 3.530 | 2.399 | 2.913 | 5.293 | 8.848 | 10.781 | 10.520 | 13.584 |
|            | TOTAL OBS    | 93     | 113    | 124   | 120   | 112   | 124   | 124   | 119   | 124   | 120    | 124    | 1419   |
| 10         | MEAN         | 50.3   | 48.9   | 56.0  | 58.2  | 73.2  | 75.8  | 75.6  | 72.9  | 61.7  | 54.5   | 47.5   | 62.1   |
|            | S. D.        | 11.663 | 9.907  | 8.954 | 7.930 | 3.545 | 2.377 | 2.857 | 5.129 | 8.158 | 10.304 | 10.126 | 12.890 |
|            | TOTAL OBS    | 93     | 113    | 124   | 120   | 112   | 124   | 124   | 120   | 123   | 120    | 124    | 1418   |
| 13         | MEAN         | 53.1   | 51.4   | 57.6  | 59.2  | 73.7  | 76.3  | 76.4  | 73.3  | 63.3  | 56.5   | 50.3   | 63.6   |
|            | S. D.        | 11.184 | 9.540  | 8.385 | 7.243 | 3.415 | 2.777 | 2.928 | 4.512 | 7.337 | 9.800  | 9.853  | 12.020 |
|            | TOTAL OBS    | 93     | 113    | 124   | 120   | 112   | 124   | 124   | 120   | 124   | 120    | 124    | 1419   |
| 16         | MEAN         | 53.0   | 51.4   | 57.7  | 59.1  | 73.1  | 75.6  | 76.0  | 73.2  | 63.3  | 56.7   | 50.7   | 63.4   |
|            | S. D.        | 10.561 | 8.829  | 7.831 | 6.808 | 3.313 | 2.606 | 2.902 | 4.279 | 7.057 | 9.389  | 9.223  | 11.559 |
|            | TOTAL OBS    | 93     | 113    | 124   | 120   | 112   | 124   | 124   | 120   | 124   | 120    | 123    | 1418   |
| 19         | MEAN         | 51.0   | 49.4   | 56.0  | 58.1  | 72.4  | 75.2  | 75.2  | 72.3  | 62.0  | 54.6   | 48.9   | 62.1   |
|            | S. D.        | 10.290 | 8.860  | 7.616 | 6.462 | 3.115 | 2.756 | 2.768 | 4.279 | 7.299 | 8.806  | 8.959  | 11.870 |
|            | TOTAL OBS    | 93     | 113    | 124   | 120   | 112   | 124   | 124   | 120   | 124   | 120    | 123    | 1418   |
| 22         | MEAN         | 49.5   | 48.1   | 55.0  | 57.5  | 71.8  | 74.7  | 74.6  | 71.7  | 61.0  | 53.2   | 47.5   | 61.2   |
|            | S. D.        | 10.282 | 9.176  | 7.473 | 6.875 | 3.111 | 2.673 | 2.676 | 4.496 | 7.747 | 9.189  | 9.479  | 12.253 |
|            | TOTAL OBS    | 93     | 113    | 124   | 120   | 112   | 124   | 124   | 120   | 124   | 120    | 124    | 1419   |
| ALL HOURS  | MEAN         | 50.2   | 48.4   | 55.3  | 57.5  | 72.2  | 75.0  | 74.9  | 72.0  | 61.0  | 53.6   | 47.7   | 61.5   |
|            | S. D.        | 11.096 | 9.792  | 8.497 | 7.501 | 3.492 | 2.720 | 3.050 | 4.737 | 8.182 | 10.014 | 10.015 | 12.588 |
|            | TOTAL OBS    | 744    | 904    | 992   | 960   | 894   | 992   | 992   | 959   | 991   | 960    | 990    | 11349  |

## MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13758 CHARLESTON, SOUTH CAROLINA NWSE 73-76

| HRS.(L.S.T.) |           | STATION NAME |        |        |        |       |       |       |       |       |        |        |        | ANNUAL |
|--------------|-----------|--------------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
|              |           | YEARS        |        |        |        |       |       |       |       |       |        |        |        |        |
|              |           | JAN.         | FEB.   | MAR.   | APR.   | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.   | NOV.   | DEC.   |        |
| 01           | MEAN      | 45.9         | 43.0   | 50.8   | 53.1   | 64.0  | 70.0  | 72.8  | 72.8  | 70.5  | 58.1   | 49.5   | 43.2   | 58.0   |
|              | S. D.     | 13.282       | 11.890 | 10.588 | 9.562  | 6.796 | 4.092 | 2.969 | 3.397 | 4.947 | 9.767  | 11.706 | 12.681 | 14.434 |
|              | TOTAL OBS | 93           | 113    | 124    | 120    | 122   | 110   | 124   | 124   | 124   | 120    | 124    | 124    | 1418   |
| 04           | MEAN      | 45.8         | 42.1   | 50.3   | 51.9   | 63.3  | 69.5  | 72.5  | 72.5  | 69.9  | 57.1   | 48.7   | 42.3   | 57.4   |
|              | S. D.     | 13.676       | 11.808 | 10.933 | 10.182 | 7.149 | 4.045 | 2.769 | 3.194 | 5.204 | 10.103 | 11.693 | 12.678 | 14.663 |
|              | TOTAL OBS | 93           | 113    | 124    | 120    | 122   | 111   | 124   | 124   | 124   | 120    | 124    | 124    | 1419   |
| 07           | MEAN      | 44.8         | 41.1   | 49.9   | 52.0   | 63.2  | 69.8  | 72.6  | 72.7  | 69.2  | 56.0   | 48.0   | 41.6   | 57.0   |
|              | S. D.     | 14.293       | 13.285 | 10.485 | 10.555 | 7.929 | 4.027 | 2.892 | 3.084 | 5.938 | 10.045 | 12.383 | 12.652 | 15.125 |
|              | TOTAL OBS | 93           | 113    | 124    | 120    | 122   | 112   | 124   | 124   | 124   | 119    | 124    | 124    | 1419   |
| 10           | MEAN      | 46.3         | 42.7   | 50.4   | 51.1   | 63.0  | 69.8  | 72.5  | 73.1  | 70.1  | 57.5   | 49.5   | 42.5   | 57.6   |
|              | S. D.     | 14.510       | 13.372 | 12.172 | 11.324 | 8.564 | 4.622 | 3.272 | 3.227 | 6.063 | 10.218 | 13.420 | 13.630 | 15.235 |
|              | TOTAL OBS | 93           | 113    | 124    | 120    | 121   | 112   | 124   | 124   | 124   | 120    | 123    | 124    | 1418   |
| 13           | MEAN      | 46.8         | 42.7   | 50.4   | 50.5   | 63.3  | 69.7  | 72.3  | 72.9  | 69.6  | 57.2   | 49.0   | 42.9   | 57.5   |
|              | S. D.     | 14.848       | 14.066 | 12.033 | 11.355 | 8.469 | 4.569 | 3.889 | 3.702 | 5.749 | 10.147 | 13.826 | 14.477 | 15.312 |
|              | TOTAL OBS | 93           | 113    | 124    | 120    | 121   | 112   | 124   | 124   | 124   | 120    | 124    | 124    | 1419   |
| 16           | MEAN      | 46.9         | 42.9   | 51.1   | 50.8   | 63.5  | 69.6  | 72.0  | 73.1  | 70.0  | 57.9   | 49.9   | 43.9   | 57.9   |
|              | S. D.     | 14.179       | 13.708 | 11.400 | 10.910 | 8.314 | 4.473 | 3.538 | 3.534 | 5.465 | 9.705  | 13.419 | 13.834 | 14.669 |
|              | TOTAL OBS | 93           | 113    | 124    | 120    | 121   | 112   | 124   | 124   | 124   | 120    | 124    | 123    | 1418   |
| 19           | MEAN      | 47.3         | 43.8   | 50.9   | 51.8   | 64.0  | 69.9  | 72.5  | 73.1  | 70.4  | 58.7   | 51.1   | 44.5   | 58.4   |
|              | S. D.     | 13.013       | 11.938 | 11.174 | 10.036 | 7.365 | 3.967 | 3.544 | 3.195 | 4.932 | 9.203  | 11.174 | 12.411 | 14.111 |
|              | TOTAL OBS | 93           | 113    | 124    | 120    | 121   | 112   | 124   | 124   | 124   | 120    | 124    | 123    | 1418   |
| 22           | MEAN      | 46.4         | 43.9   | 51.4   | 53.0   | 64.7  | 70.0  | 72.9  | 73.3  | 70.4  | 58.6   | 50.4   | 43.9   | 58.5   |
|              | S. D.     | 12.799       | 11.538 | 9.747  | 9.550  | 6.319 | 3.675 | 3.209 | 3.120 | 4.970 | 9.216  | 11.433 | 12.527 | 14.078 |
|              | TOTAL OBS | 93           | 113    | 124    | 120    | 121   | 112   | 124   | 124   | 124   | 120    | 124    | 124    | 1419   |
| ALL HOURS    | MEAN      | 46.3         | 42.8   | 50.7   | 51.8   | 63.6  | 69.8  | 72.5  | 73.0  | 70.0  | 57.6   | 49.5   | 43.1   | 57.8   |
|              | S. D.     | 13.797       | 12.715 | 11.063 | 10.455 | 7.643 | 4.183 | 3.280 | 3.308 | 5.420 | 9.807  | 12.408 | 13.116 | 14.739 |
|              | TOTAL OBS | 744          | 904    | 992    | 960    | 971   | 893   | 992   | 992   | 992   | 991    | 991    | 990    | 11348  |



CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| FEB    | 01                | 100.0  | 100.0 | 100.0 | 99.1  | 94.7 | 82.3 | 67.3 | 39.8 | 18.6 | 76.3                         | 113                     |
|        | 04                | 100.0  | 100.0 | 100.0 | 100.0 | 96.5 | 87.6 | 70.8 | 42.5 | 21.2 | 77.3                         | 113                     |
|        | 07                | 100.0  | 100.0 | 99.1  | 98.2  | 93.8 | 85.0 | 75.2 | 48.7 | 27.4 | 78.2                         | 113                     |
|        | 10                | 100.0  | 100.0 | 97.3  | 91.2  | 82.3 | 63.7 | 45.1 | 25.7 | 9.7  | 66.7                         | 113                     |
|        | 13                | 100.0  | 100.0 | 93.8  | 72.6  | 56.6 | 41.6 | 26.5 | 16.8 | 8.8  | 56.8                         | 113                     |
|        | 16                | 100.0  | 99.1  | 89.4  | 74.3  | 62.8 | 41.6 | 29.2 | 15.9 | 9.7  | 57.6                         | 113                     |
|        | 19                | 100.0  | 100.0 | 100.0 | 93.8  | 85.0 | 68.1 | 47.8 | 29.2 | 12.4 | 69.0                         | 113                     |
|        | 22                | 100.0  | 100.0 | 100.0 | 98.2  | 91.2 | 82.3 | 65.5 | 39.8 | 17.7 | 74.9                         | 113                     |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0  | 99.9  | 97.5  | 90.9  | 82.9 | 69.0 | 53.4 | 32.3 | 15.7 | 69.6                         | 904                     |



CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| MAR    | 01                | 100.0  | 100.0 | 99.2  | 97.6 | 95.2 | 89.5 | 75.6 | 58.9 | 29.0 | 80.1                         | 124                     |
|        | 04                | 100.0  | 100.0 | 100.0 | 99.2 | 96.0 | 91.1 | 76.6 | 54.0 | 28.2 | 80.8                         | 124                     |
|        | 07                | 100.0  | 100.0 | 100.0 | 99.2 | 96.4 | 94.4 | 85.5 | 66.1 | 24.2 | 82.6                         | 124                     |
|        | 10                | 100.0  | 100.0 | 98.4  | 92.7 | 82.3 | 64.5 | 41.9 | 25.8 | 16.1 | 67.6                         | 124                     |
|        | 13                | 100.0  | 100.0 | 94.4  | 84.7 | 63.7 | 48.4 | 28.2 | 16.9 | 7.3  | 59.4                         | 124                     |
|        | 16                | 100.0  | 99.2  | 95.2  | 87.1 | 72.6 | 51.6 | 32.3 | 17.7 | 8.1  | 62.4                         | 124                     |
|        | 19                | 100.0  | 100.0 | 96.0  | 91.9 | 85.5 | 71.8 | 56.5 | 32.1 | 14.3 | 70.3                         | 124                     |
|        | 22                | 100.0  | 100.0 | 100.0 | 98.4 | 94.4 | 86.3 | 71.0 | 45.2 | 22.6 | 77.1                         | 124                     |
|        |                   |  |       |       |      |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |      |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |      |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |      |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |      |      |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0  | 99.9  | 97.9  | 93.9 | 86.0 | 74.7 | 58.5 | 39.7 | 16.8 | 72.5                         | 992                     |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| APR    | 01                | 100.0  | 100.0 | 100.0 | 96.3  | 96.7 | 85.8 | 65.8 | 39.2 | 11.7 | 75.5                         | 120                     |
|        | 04                | 100.0  | 100.0 | 100.0 | 99.2  | 94.2 | 85.8 | 69.2 | 50.0 | 19.2 | 76.9                         | 120                     |
|        | 07                | 100.0  | 100.0 | 100.0 | 100.0 | 95.0 | 86.3 | 70.8 | 45.0 | 15.8 | 77.4                         | 120                     |
|        | 10                | 100.0  | 100.0 | 96.7  | 89.2  | 64.2 | 39.2 | 23.3 | 11.7 | 3.3  | 58.4                         | 120                     |
|        | 13                | 100.0  | 99.2  | 91.7  | 75.8  | 54.2 | 25.0 | 12.5 | 8.3  | 2.5  | 52.1                         | 120                     |
|        | 16                | 100.0  | 99.2  | 90.8  | 80.0  | 60.0 | 30.8 | 17.5 | 6.7  | 3.3  | 54.2                         | 120                     |
|        | 19                | 100.0  | 100.0 | 97.5  | 90.8  | 77.5 | 55.0 | 30.8 | 15.8 | 3.3  | 62.5                         | 120                     |
|        | 22                | 100.0  | 100.0 | 99.2  | 96.7  | 92.5 | 75.8 | 55.8 | 29.2 | 7.5  | 71.4                         | 120                     |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0  | 99.8  | 97.0  | 91.3  | 79.3 | 60.7 | 43.2 | 25.7 | 8.3  | 66.1                         | 960                     |

## RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

13758 CHARLESTON, SOUTH CAROLINA NWSO 73-76 MAY MONTH  
STATION NAME PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-----------------|--|-------|-------|-------|-------|------|------|------|------------------------------|-------------------------|
|        |                 | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%                          |                         |
| MAY    | 01              | 100.0  | 100.0 | 100.0 | 99.2  | 99.2  | 96.7 | 88.5 | 69.7 | 23.0                         | 122                     |
|        | 04              | 100.0  | 100.0 | 100.0 | 100.0 | 99.2  | 96.7 | 89.3 | 72.1 | 22.1                         | 122                     |
|        | 07              | 100.0  | 100.0 | 100.0 | 100.0 | 98.4  | 94.3 | 88.5 | 59.8 | 9.8                          | 122                     |
|        | 10              | 100.0  | 100.0 | 99.2  | 96.7  | 86.0  | 64.5 | 33.9 | 13.2 | 2.5                          | 121                     |
|        | 13              | 100.0  | 100.0 | 97.5  | 90.1  | 71.9  | 50.4 | 19.0 | 5.0  | 2.5                          | 121                     |
|        | 16              | 100.0  | 100.0 | 96.7  | 95.0  | 82.6  | 62.0 | 33.1 | 8.3  | 1.7                          | 121                     |
|        | 19              | 100.0  | 100.0 | 100.0 | 98.3  | 94.2  | 86.8 | 63.6 | 24.8 | 6.6                          | 121                     |
|        | 22              | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 95.9 | 85.1 | 52.1 | 9.9                          | 121                     |
|        |                 |  |       |       |       |       |      |      |      |                              |                         |
|        |                 |  |       |       |       |       |      |      |      |                              |                         |
|        |                 |  |       |       |       |       |      |      |      |                              |                         |
|        |                 |  |       |       |       |       |      |      |      |                              |                         |
| TOTALS |                 | 100.0  | 100.0 | 99.2  | 97.4  | 91.4  | 80.9 | 62.6 | 38.1 | 9.8                          | 971                     |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%  | 80%  | 90%  |                              |                         |
| JUN    | 01                | 100.0  | 100.0 | 100.0 | 100.0 | 99.1  | 99.1  | 98.2 | 80.9 | 28.2 | 86.4                         | 110                     |
|        | 04                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.1  | 97.3 | 88.3 | 43.2 | 89.0                         | 111                     |
|        | 07                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.2 | 74.1 | 23.2 | 85.1                         | 112                     |
|        | 10                | 100.0  | 100.0 | 100.0 | 99.1  | 96.4  | 77.7  | 50.9 | 19.6 | 8.0  | 70.7                         | 112                     |
|        | 13                | 100.0  | 100.0 | 100.0 | 99.1  | 86.6  | 66.1  | 35.7 | 13.4 | 5.4  | 66.4                         | 112                     |
|        | 16                | 100.0  | 100.0 | 100.0 | 99.1  | 93.8  | 80.4  | 50.9 | 24.1 | 10.7 | 70.7                         | 112                     |
|        | 19                | 100.0  | 100.0 | 100.0 | 100.0 | 98.2  | 95.5  | 74.1 | 40.2 | 14.3 | 77.6                         | 112                     |
|        | 22                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.2  | 95.5 | 64.3 | 15.2 | 83.3                         | 112                     |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
| TOTALS |                   | 100.0  | 100.0 | 100.0 | 99.7  | 96.8  | 89.5  | 75.1 | 50.6 | 18.5 | 78.7                         | 693                     |



## RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

13758 CHARLESTON, SOUTH CAROLINA NWSB 73-76 JUL

STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%  | 80%  | 90%  |                              |                         |
| JUL    | 01                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.0 | 78.2 | 20.2 | 85.0                         | 124                     |
|        | 04                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.4 | 89.5 | 29.8 | 87.5                         | 124                     |
|        | 07                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.4 | 81.5 | 19.4 | 85.1                         | 124                     |
|        | 10                | 100.0  | 100.0 | 100.0 | 100.0 | 97.6  | 83.1  | 41.9 | 16.1 | 2.4  | 69.9                         | 124                     |
|        | 13                | 100.0  | 100.0 | 100.0 | 98.4  | 89.5  | 62.1  | 29.0 | 6.5  | .8   | 64.8                         | 124                     |
|        | 16                | 100.0  | 100.0 | 100.0 | 99.2  | 94.4  | 71.8  | 36.7 | 12.9 | 3.2  | 67.5                         | 124                     |
|        | 19                | 100.0  | 100.0 | 100.0 | 100.0 | 99.2  | 89.5  | 69.4 | 29.0 | 4.0  | 75.0                         | 124                     |
|        | 22                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.2  | 91.9 | 59.7 | 10.3 | 81.8                         | 124                     |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                         |
| TOTALS |                   | 100.0  | 100.0 | 100.0 | 99.7  | 97.6  | 88.2  | 70.5 | 46.7 | 11.3 | 77.1                         | 992                     |

AUG  
MONTH

73-76

CHARLESTON, SOUTH CAROLINA NW5ED

13758

MONTH

PERIOD

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |       |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|-------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   | 80%  | 90%  |                              |                         |
| AUG    | 01                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 88.7 | 40.3 | 88.0                         | 124                     |
|        | 04                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.0 | 63.7 | 91.5                         | 124                     |
|        | 07                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 91.9 | 54.8 | 89.7                         | 124                     |
|        | 10                | 100.0  | 100.0 | 100.0 | 100.0 | 98.4  | 91.9  | 61.3  | 23.4 | 9.7  | 74.3                         | 124                     |
|        | 13                | 100.0  | 100.0 | 100.0 | 100.0 | 94.4  | 67.7  | 37.9  | 20.2 | 5.6  | 68.3                         | 124                     |
|        | 16                | 100.0  | 100.0 | 100.0 | 100.0 | 97.6  | 87.9  | 55.6  | 25.8 | 12.9 | 73.5                         | 124                     |
|        | 19                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.4  | 85.5  | 49.2 | 13.7 | 80.1                         | 124                     |
|        | 22                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.6  | 82.3 | 32.3 | 86.1                         | 124                     |
|        |                   |  |       |       |       |       |       |       |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |       |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |       |      |      |                              |                         |
|        |                   |  |       |       |       |       |       |       |      |      |                              |                         |
| TOTALS |                   | 100.0  | 100.0 | 100.0 | 100.0 | 98.8  | 93.2  | 79.7  | 59.7 | 29.1 | 81.4                         | 992                     |

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M  
N

MONTH

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |     |
|--------|-------------------|--|-------|-------|-------|-------|-------|------|------|------------------------------|-------------------------|-----|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%  | 80%  |                              |                         | 90% |
| SEP    | 01                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.2  | 98.3 | 94.2 | 59.2                         | 90.2                    | 120 |
|        | 04                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.2  | 97.5 | 93.3 | 71.7                         | 92.0                    | 120 |
|        | 07                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.5 | 94.2 | 50.8                         | 90.7                    | 120 |
|        | 10                | 100.0  | 100.0 | 100.0 | 100.0 | 96.7  | 90.8  | 65.0 | 35.0 | 9.2                          | 75.3                    | 120 |
|        | 13                | 100.0  | 100.0 | 100.0 | 98.3  | 95.8  | 69.2  | 46.7 | 21.7 | 4.2                          | 69.3                    | 120 |
|        | 16                | 100.0  | 100.0 | 100.0 | 99.2  | 95.8  | 87.5  | 52.5 | 26.7 | 5.0                          | 72.2                    | 120 |
|        | 19                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.2  | 94.2 | 56.7 | 14.2                         | 81.7                    | 120 |
|        | 22                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.3 | 81.7 | 34.2                         | 87.0                    | 120 |
|        |                   |  |       |       |       |       |       |      |      |                              |                         |     |
|        |                   |  |       |       |       |       |       |      |      |                              |                         |     |
|        |                   |  |       |       |       |       |       |      |      |                              |                         |     |
|        |                   |  |       |       |       |       |       |      |      |                              |                         |     |
|        |                   |  |       |       |       |       |       |      |      |                              |                         |     |
| TOTALS |                   | 100.0  | 100.0 | 100.0 | 99.7  | 96.5  | 93.1  | 81.3 | 62.9 | 31.1                         | 82.3                    | 960 |

13758

CHARLESTON, SOUTH CAROLINA NW5ED

73-76

130 OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                         |
| OCT    | 01                | 100.0  | 100.0 | 100.0 | 100.0 | 99.2  | 98.4 | 87.9 | 69.4 | 32.3 | 84.3                         | 124                     |
|        | 04                | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 96.8 | 90.3 | 71.0 | 38.7 | 85.7                         | 124                     |
|        | 07                | 100.0  | 100.0 | 100.0 | 100.0 | 99.2  | 98.4 | 92.7 | 78.2 | 39.5 | 87.1                         | 124                     |
|        | 10                | 100.0  | 100.0 | 100.0 | 99.2  | 91.9  | 75.6 | 49.6 | 26.8 | 7.3  | 70.7                         | 123                     |
|        | 13                | 100.0  | 100.0 | 98.4  | 89.5  | 70.2  | 48.4 | 27.4 | 14.5 | 3.2  | 60.8                         | 124                     |
|        | 16                | 100.0  | 100.0 | 100.0 | 96.0  | 80.6  | 54.0 | 35.5 | 14.5 | .8   | 63.8                         | 124                     |
|        | 19                | 100.0  | 100.0 | 100.0 | 100.0 | 97.6  | 85.5 | 67.7 | 44.4 | 9.7  | 75.9                         | 124                     |
|        | 22                | 100.0  | 100.0 | 100.0 | 100.0 | 99.2  | 96.8 | 81.5 | 59.7 | 28.2 | 82.5                         | 124                     |
|        |                   |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0  | 100.0 | 99.8  | 98.1  | 92.2  | 81.7 | 66.6 | 47.3 | 20.0 | 76.4                         | 991                     |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| DEC    | 01                | 100.0  | 100.0 | 100.0 | 99.2  | 95.8 | 86.3 | 78.2 | 58.1 | 35.5 | 81.3                         | 124                     |
|        | 04                | 100.0  | 100.0 | 100.0 | 100.0 | 97.6 | 89.5 | 71.8 | 58.9 | 41.9 | 81.9                         | 124                     |
|        | 07                | 100.0  | 100.0 | 100.0 | 100.0 | 99.2 | 94.4 | 77.4 | 60.5 | 38.7 | 83.2                         | 124                     |
|        | 10                | 100.0  | 100.0 | 100.0 | 96.0  | 89.5 | 69.4 | 53.2 | 36.7 | 20.2 | 72.3                         | 124                     |
|        | 13                | 100.0  | 100.0 | 96.0  | 82.3  | 64.3 | 54.0 | 36.3 | 25.8 | 11.3 | 62.2                         | 124                     |
|        | 16                | 100.0  | 100.0 | 98.4  | 84.6  | 72.4 | 53.7 | 42.3 | 28.5 | 17.1 | 64.9                         | 123                     |
|        | 19                | 100.0  | 100.0 | 100.0 | 98.4  | 87.0 | 75.6 | 65.0 | 46.3 | 22.0 | 75.4                         | 123                     |
|        | 22                | 100.0  | 100.0 | 100.0 | 99.2  | 91.9 | 84.7 | 71.0 | 51.6 | 32.3 | 79.0                         | 124                     |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |      |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0  | 100.0 | 99.3  | 95.0  | 87.4 | 76.0 | 61.9 | 46.1 | 27.4 | 73.0                         | 990                     |

## RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

0000

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

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13758 CHARLESTON, SOUTH CAROLINA NWS8 73-76 ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| JAN    | ALL               | 100.0  | 100.0 | 99.6  | 96.6  | 89.0 | 79.3 | 68.2 | 51.6 | 28.6 | 77.1                         | 744                     |
| FEB    |                   | 100.0  | 99.9  | 97.5  | 90.9  | 82.9 | 69.0 | 53.4 | 32.3 | 15.7 | 69.6                         | 904                     |
| MAR    |                   | 100.0  | 99.9  | 97.9  | 93.9  | 86.0 | 74.7 | 58.5 | 39.7 | 18.8 | 72.5                         | 992                     |
| APR    |                   | 100.0  | 99.8  | 97.0  | 91.3  | 79.3 | 60.7 | 43.2 | 25.7 | 8.3  | 66.1                         | 960                     |
| MAY    |                   | 100.0  | 100.0 | 99.2  | 97.4  | 91.4 | 80.9 | 62.0 | 38.1 | 9.8  | 73.3                         | 971                     |
| JUN    |                   | 100.0  | 100.0 | 100.0 | 99.7  | 96.8 | 89.5 | 75.1 | 50.6 | 18.5 | 78.7                         | 893                     |
| JUL    |                   | 100.0  | 100.0 | 100.0 | 99.7  | 97.6 | 88.2 | 70.5 | 46.7 | 11.3 | 77.1                         | 992                     |
| AUG    |                   | 100.0  | 100.0 | 100.0 | 100.0 | 98.8 | 93.2 | 79.7 | 59.7 | 29.1 | 81.4                         | 992                     |
| SEP    |                   | 100.0  | 100.0 | 100.0 | 99.7  | 98.5 | 93.1 | 81.3 | 62.9 | 31.1 | 82.3                         | 960                     |
| OCT    |                   | 100.0  | 100.0 | 99.8  | 98.1  | 92.2 | 81.7 | 66.6 | 47.3 | 20.0 | 76.4                         | 991                     |
| NOV    |                   | 100.0  | 100.0 | 98.8  | 95.0  | 87.9 | 77.8 | 64.6 | 47.5 | 26.8 | 75.9                         | 960                     |
| DEC    |                   | 100.0  | 100.0 | 99.3  | 95.0  | 87.4 | 76.0 | 61.9 | 46.1 | 27.4 | 75.0                         | 990                     |
| TOTALS |                   | 100.0  | 100.0 | 99.1  | 96.4  | 90.7 | 80.3 | 65.5 | 45.7 | 20.5 | 75.5                         | 11349                   |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

13752  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

FEBRUARY 73-DECEMBER 74

JANUARY

ALL  
HOURS L.S.T.

WIND DIRECTION

| TEMP.      | NNW<br>& N | NNE<br>& NE | ENE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+       |            |             |            |             |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   |            |             |            |             |            |             |            |             |      |                |               |
| 87 TO 91   |            |             |            |             |            |             |            |             |      |                |               |
| 82 TO 86   |            |             |            |             |            |             |            |             |      |                |               |
| 77 TO 81   |            |             |            |             |            |             |            |             |      |                |               |
| 72 TO 76   |            |             | 3.4        | 3.4         | 13.8       | 66.7        | 22.2       | 11.1        |      | 9              | 1.2           |
| 67 TO 71   |            |             | 1.7        | 1.7         | 33.3       | 27.6        | 24.1       | 17.2        | 10.3 | 29             | 3.9           |
| 62 TO 66   | 2.0        | 4.0         | 4.0        | 5.1         | 12.1       | 26.7        | 26.7       | 6.7         | 3.3  | 60             | 8.1           |
| 57 TO 61   | 5.9        | 1.3         | 6.1        | 5.2         | 17.0       | 29.3        | 19.2       | 9.1         | 15.2 | 99             | 13.3          |
| 52 TO 56   | 12.5       | 8.0         | 10.7       | 8.9         | 17.0       | 18.5        | 17.0       | 9.6         | 17.0 | 135            | 18.1          |
| 47 TO 51   | 27.3       | 7.1         | 8.1        | 3.0         | 6.1        | 10.7        | 16.1       | 6.3         | 26.8 | 112            | 15.1          |
| 42 TO 46   | 26.1       | 25.0        | 6.3        | 4.3         | 4.3        | 5.1         | 11.1       | 11.1        | 21.2 | 99             | 13.3          |
| 37 TO 41   | 31.5       | 19.3        | 3.3        | 1.8         |            | 4.3         | 17.4       | 12.0        | 4.3  | 92             | 12.4          |
| 32 TO 36   | 30.6       | 25.0        | 5.6        |             |            |             | 14.0       | 21.1        | 8.8  | 57             | 7.7           |
| 27 TO 31   | 50.0       | 35.7        |            |             |            |             | 8.3        | 19.4        | 11.1 | 36             | 4.8           |
| 22 TO 26   | 50.0       | 50.0        |            |             |            |             |            | 7.1         | 7.1  | 14             | 1.9           |
| 17 TO 21   |            |             |            |             |            |             |            |             |      | 4              | .3            |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -59 & LVR  |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 15.1       | 9.5         | 6.3        | 2.3         | 10.0       | 14.1        | 16.5       | 10.9        | 14.5 | 744            | 100.0         |



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

13728  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

FEBRUARY 73-DECEMBER 76

FEBRUARY  
MONTH

ALL  
HOURS

WIND DIRECTION

| TEMP.      | NNW<br>& N | NNE<br>& NE | ESE<br>& E | ESE<br>& SE | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|-------------|------------|-------------|------|----------------|---------------|
| 122+       |            |             |            |             |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |             |            |             |      |                |               |
| 92 TO 96   |            |             |            |             |             |            |             |      |                |               |
| 87 TO 91   |            |             |            |             |             |            |             |      |                |               |
| 82 TO 86   |            |             |            |             |             |            |             |      |                |               |
| 77 TO 81   |            |             |            |             |             |            |             |      |                |               |
| 72 TO 76   | 6.7        | 6.7         | 13.3       | 13.3        | 53.3        | 20.0       | 3.2         | 3.2  | 15             | 1.7           |
| 67 TO 71   |            | 1.6         | 3.2        | 22.6        | 27.1        | 29.0       | 3.2         | 3.2  | 62             | 6.9           |
| 62 TO 66   | 4.8        | 6.9         | 4.1        | 18.6        | 30.3        | 29.0       | 1.4         | 4.8  | 142            | 16.0          |
| 57 TO 61   | 6.7        | 6.7         | 3.5        | 15.3        | 16.0        | 22.7       | 8.6         | 8.0  | 163            | 18.0          |
| 52 TO 56   | 8.3        | 9.0         | 5.1        | 5.8         | 17.3        | 18.6       | 9.6         | 12.8 | 156            | 17.3          |
| 47 TO 51   | 17.1       | 7.9         | 10.7       | 2.9         | 8.6         | 20.0       | 8.6         | 22.1 | 140            | 15.3          |
| 42 TO 46   | 25.0       | 9.3         | 6.5        | 2.8         | 1.9         | 19.4       | 14.8        | 17.6 | 108            | 11.9          |
| 37 TO 41   | 28.2       | 16.1        | 4.2        | 1.4         | 2.8         | 11.3       | 28.2        | 9.9  | 71             | 7.9           |
| 32 TO 36   | 31.3       | 6.3         | 6.3        |             |             | 18.8       | 18.8        | 18.8 | 10             | 1.8           |
| 27 TO 31   | 54.2       | 29.2        | 4.2        |             |             |            | 8.3         | 4.2  | 24             | 2.7           |
| 22 TO 26   | 50.0       | 50.0        |            |             |             |            |             |      | 4              | .4            |
| 17 TO 21   |            |             |            |             |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |             |            |             |      |                |               |
| -59 & LVR  |            |             |            |             |             |            |             |      |                |               |
| TOTALS     | 13.5       | 7.4         | 8.5        | 3.7         | 9.2         | 15.9       | 9.5         | 11.4 | 904            | 100.0         |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

FEBRUARY 75-DECEMBER 76

MONTH  
MARCH

ALL  
HOURS LOCAL

WIND DIRECTION

| TEMP.      | NNW<br>& N | NNE<br>& NE | ESE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+       |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   |            |             |            |             |            |             |            |             |      |                |               |
| 87 TO 91   |            |             |            |             |            |             |            |             |      |                |               |
| 82 TO 86   | 14.3       |             |            |             |            | 14.3        | 14.3       | 42.9        | 14.3 | 7              | .7            |
| 77 TO 81   |            |             |            |             | 11.8       | 17.6        | 50.8       | 11.8        |      | 17             | 1.7           |
| 72 TO 76   | 1.5        | 1.3         | 6.2        |             | 9.2        | 38.5        | 38.5       | 1.5         | 3.1  | 62             | 6.6           |
| 67 TO 71   | 2.5        | 3.8         | 7.6        |             | 26.6       | 25.3        | 27.8       | 3.2         | 3.2  | 158            | 15.9          |
| 62 TO 66   | 2.0        | 6.5         | 9.3        |             | 15.7       | 19.9        | 22.8       | 3.7         | 8.5  | 249            | 24.8          |
| 57 TO 61   | 9.4        | 13.3        | 10.8       |             | 9.9        | 11.3        | 15.3       | 7.4         | 14.3 | 203            | 20.5          |
| 52 TO 56   | 13.2       | 14.7        | 9.6        |             | 5.9        | 5.9         | 14.7       | 15.4        | 8.8  | 136            | 13.7          |
| 47 TO 51   | 8.4        | 26.3        | 10.8       | 6.0         | 1.2        | 2.4         | 14.5       | 15.7        | 14.5 | 83             | 8.4           |
| 42 TO 46   | 25.0       | 15.4        | 9.6        |             | 1.9        | 3.8         | 13.5       | 25.0        | 5.8  | 52             | 5.2           |
| 37 TO 41   | 36.8       | 21.1        | 5.3        |             | 5.3        | 5.3         | 26.3       | 5.3         |      | 19             | 1.9           |
| 32 TO 36   | 40.0       |             |            |             |            |             | 20.0       | 40.0        |      | 5              | .5            |
| 27 TO 31   | 100.0      |             |            |             |            |             |            |             |      | 1              | .1            |
| 22 TO 26   |            |             |            |             |            |             |            |             |      |                |               |
| 17 TO 21   |            |             |            |             |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -59 & LWR  |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 7.6        | 8.9         | 6.2        | 8.0         | 12.2       | 15.5        | 21.4       | 8.6         | 8.6  | 992            | 100.0         |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

13750 STATION NAME CHARLESTON, SOUTH CAROLINA NWSE FEBRUARY 73-DECEMBER 76 MONTH APRIL ALL HOURS (L.S.T.)

| TEMP.      | NNW<br>& N | NNE<br>& NE | ENE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+       |            |             |            |             |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   |            |             |            |             |            |             |            |             |      |                |               |
| 87 TO 91   |            |             |            |             |            |             |            |             |      |                |               |
| 82 TO 86   | 10.0       |             |            |             |            |             | 90.0       |             |      | 10             | 1.0           |
| 77 TO 81   | 3.8        | 3.8         | 7.7        | 7.7         | 23.1       | 25.0        | 21.2       | 3.8         | 3.8  | 52             | 5.4           |
| 72 TO 76   | .9         |             | 5.2        | 11.2        | 25.0       | 26.7        | 25.9       | 3.4         | 1.7  | 116            | 12.1          |
| 67 TO 71   | 1.3        | 3.0         | 6.4        | 6.0         | 21.9       | 24.5        | 26.2       | 4.3         | 6.4  | 233            | 24.3          |
| 62 TO 66   | 5.6        | 4.2         | 8.8        | 16.7        | 13.0       | 12.6        | 20.5       | 9.3         | 9.3  | 215            | 22.4          |
| 57 TO 61   | 16.0       | 10.3        | 10.3       | 4.6         | 9.7        | 10.3        | 17.7       | 7.4         | 13.7 | 175            | 18.2          |
| 52 TO 56   | 18.9       | 16.0        | 12.3       | .9          |            | 1.9         | 16.0       | 10.4        | 23.6 | 106            | 11.0          |
| 47 TO 51   | 22.0       | 24.4        |            |             | 2.4        |             | 19.5       | 14.6        | 17.1 | 41             | 4.3           |
| 42 TO 46   | 22.2       | 11.1        |            |             |            |             | 33.3       | 22.2        | 11.1 | 9              | .9            |
| 37 TO 41   |            |             |            |             |            |             | 66.7       | 33.3        |      | 3              | .3            |
| 32 TO 36   |            |             |            |             |            |             |            |             |      |                |               |
| 27 TO 31   |            |             |            |             |            |             |            |             |      |                |               |
| 22 TO 26   |            |             |            |             |            |             |            |             |      |                |               |
| 17 TO 21   |            |             |            |             |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -59 & LWR  |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 8.1        | 6.7         | 7.8        | 7.9         | 14.4       | 15.4        | 27.5       | 7.2         | 10.0 | 960            | 100.0         |

## PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

## WIND DIRECTION

13758

CHARLESTON, SOUTH CAROLINA NWSE

FEBRUARY 75-DECEMBER 76

MAY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (EST.)

## WIND DIRECTION

| TEMP.      | NNW<br>& N | NNE<br>& NE | ENE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 +      |            |             |            |             |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   | 20.0       |             |            |             | 20.0       |             | 40.0       | 20.0        |      | 5              | .5            |
| 87 TO 91   | 3.6        |             |            |             | 14.3       | 17.9        | 46.4       | 14.3        | 3.6  | 20             | 2.8           |
| 82 TO 86   | 6.7        |             | 4.0        | 5.3         | 30.7       | 13.3        | 33.3       | 5.3         | 1.3  | 75             | 7.6           |
| 77 TO 81   | 2.1        | 1.5         | 3.6        | 7.7         | 28.7       | 27.7        | 23.6       | 4.1         | 1.0  | 195            | 19.7          |
| 72 TO 76   | 5.3        | 2.8         | 8.8        | 8.8         | 29.8       | 21.6        | 11.0       | 4.1         | 7.8  | 319            | 32.2          |
| 67 TO 71   | 8.6        | 12.3        | 13.6       | 7.4         | 15.2       | 15.6        | 12.8       | 6.6         | 7.8  | 243            | 24.5          |
| 62 TO 66   | 14.5       | 15.7        | 9.6        | 4.8         | 4.8        | 4.8         | 18.1       | 6.0         | 21.7 | 83             | 8.4           |
| 57 TO 61   | 33.3       | 23.3        |            |             |            | 3.3         | 12.3       | 13.3        | 13.3 | 30             | 3.0           |
| 52 TO 56   | 75.0       | 8.3         |            |             |            |             |            | 16.7        |      | 12             | 1.2           |
| 47 TO 51   | 50.0       | 50.0        |            |             |            |             |            |             |      | 2              | .2            |
| 42 TO 46   |            |             |            |             |            |             |            |             |      |                |               |
| 37 TO 41   |            |             |            |             |            |             |            |             |      |                |               |
| 32 TO 36   |            |             |            |             |            |             |            |             |      |                |               |
| 27 TO 31   |            |             |            |             |            |             |            |             |      |                |               |
| 22 TO 26   |            |             |            |             |            |             |            |             |      |                |               |
| 17 TO 21   |            |             |            |             |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -59 & LWP  |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 8.2        | 6.5         | 8.0        | 7.0         | 22.2       | 10.2        | 17.2       | 5.7         | 7.1  | 992            | 100.0         |

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

FEBRUARY 73-DECEMBER 76

JUNE ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION

| TEMP.      | NNW<br>& N | NNE<br>& NE | ENE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+       |            |             |            |             |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   |            |             |            |             |            |             |            |             |      |                |               |
| 87 TO 91   | 2.1        | 2.1         | 2.1        |             | 18.8       | 12.8        | 62.5       | 23.0        | 12.5 | 8              | 8             |
| 82 TO 86   | 6.9        | 4.6         | 8.7        | 8.7         | 32.4       | 11.0        | 39.6       | 18.8        | 4.2  | 48             | 5.0           |
| 77 TO 81   | 5.0        | 5.0         | 8.4        | 11.0        | 32.1       | 16.1        | 16.8       | 8.1         | 2.9  | 173            | 18.0          |
| 72 TO 76   | 14.0       | 13.4        | 9.3        | 3.2         | 15.2       | 9.0         | 12.7       | 2.0         | 7.7  | 299            | 31.1          |
| 67 TO 71   | 31.0       | 23.9        | 11.3       | 5.6         |            | 4.2         | 9.3        | 7.0         | 19.5 | 343            | 35.7          |
| 62 TO 66   | 42.9       | 57.1        |            |             |            |             | 9.9        | 4.2         | 9.9  | 71             | 7.4           |
| 57 TO 61   | 75.0       | 25.0        |            |             |            |             |            |             |      | 14             | 1.5           |
| 52 TO 56   |            |             |            |             |            |             |            |             |      | 4              | .4            |
| 47 TO 51   |            |             |            |             |            |             |            |             |      |                |               |
| 42 TO 46   |            |             |            |             |            |             |            |             |      |                |               |
| 37 TO 41   |            |             |            |             |            |             |            |             |      |                |               |
| 32 TO 36   |            |             |            |             |            |             |            |             |      |                |               |
| 27 TO 31   |            |             |            |             |            |             |            |             |      |                |               |
| 22 TO 26   |            |             |            |             |            |             |            |             |      |                |               |
| 17 TO 21   |            |             |            |             |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -63 TO -59 |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 11.1       | 10.9        | 8.4        | 6.6         | 22.2       | 11.1        | 13.5       | 6.0         | 10.9 | 960            | 100.0         |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

13758  
STATION

CHARLESTON, SOUTH CAROLINA NMSE

FEBRUARY 72-DECEMBER 76

MONTH

JULY

ALL  
HOURS (L.S.T.)

WIND DIRECTION

| TEMP.      | NNW<br>& N | NNE<br>& NE | ENE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 +      |            |             |            |             |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   |            |             |            | 5.3         | 5.3        | 26.3        | 36.8       | 21.1        | 5.3  | 19             | 1.9           |
| 87 TO 91   | 6.1        | 3.5         | 5.3        | 4.4         | 26.3       | 14.9        | 25.4       | 9.6         | 4.4  | 114            | 11.5          |
| 82 TO 86   | 2.3        | 4.1         | 8.6        | 12.0        | 25.9       | 26.3        | 14.7       | 2.3         | 3.8  | 266            | 26.8          |
| 77 TO 81   | 5.0        | 7.4         | 6.9        | 7.2         | 15.0       | 26.0        | 17.9       | 2.4         | 12.2 | 419            | 42.2          |
| 72 TO 76   | 12.6       | 20.4        | 7.8        | 3.6         | 4.8        | 10.2        | 15.6       | 9.6         | 15.6 | 167            | 16.8          |
| 67 TO 71   | 14.3       | 71.4        | 14.3       |             |            |             |            |             |      | 7              | .7            |
| 62 TO 66   |            |             |            |             |            |             |            |             |      |                |               |
| 57 TO 61   |            |             |            |             |            |             |            |             |      |                |               |
| 52 TO 56   |            |             |            |             |            |             |            |             |      |                |               |
| 47 TO 51   |            |             |            |             |            |             |            |             |      |                |               |
| 42 TO 46   |            |             |            |             |            |             |            |             |      |                |               |
| 37 TO 41   |            |             |            |             |            |             |            |             |      |                |               |
| 32 TO 36   |            |             |            |             |            |             |            |             |      |                |               |
| 27 TO 31   |            |             |            |             |            |             |            |             |      |                |               |
| 22 TO 26   |            |             |            |             |            |             |            |             |      |                |               |
| 17 TO 21   |            |             |            |             |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -59 & LVR  |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 5.6        | 8.6         | 7.3        | 7.5         | 17.2       | 22.0        | 17.7       | 4.7         | 9.4  | 992            | 100.0         |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

1375R  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

FEBRUARY 73-DECEMBER 76

AUGUST

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

| TEMP.      | NNW<br>& N | NNE<br>& NE | ENE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+       |            |             |            |             |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   |            |             |            | 12.5        | 25.0       | 10.8        | 25.0       | 6.3         | 12.5 | 10             | 1.6           |
| 87 TO 91   | 3.4        | 7.9         | 2.2        | 4.5         | 27.0       | 21.3        | 19.1       | 4.5         | 10.1 | 89             | 9.0           |
| 82 TO 86   | 6.5        | 6.1         | 11.7       | 7.9         | 24.8       | 22.9        | 11.2       | 4.7         | 4.2  | 214            | 21.6          |
| 77 TO 81   | 7.3        | 10.5        | 8.5        | 6.3         | 14.4       | 20.3        | 14.8       | 5.5         | 11.8 | 399            | 40.2          |
| 72 TO 76   | 25.6       | 23.3        | 5.7        | 4.4         | 5.7        | 7.9         | 8.4        | 5.7         | 13.2 | 227            | 22.9          |
| 67 TO 71   | 41.3       | 32.6        | 4.3        |             |            | 6.3         | 2.2        | 13.0        |      | 40             | 4.6           |
| 62 TO 66   |            |             |            |             |            | 100.0       |            |             |      | 1              | .1            |
| 57 TO 61   |            |             |            |             |            |             |            |             |      |                |               |
| 52 TO 56   |            |             |            |             |            |             |            |             |      |                |               |
| 47 TO 51   |            |             |            |             |            |             |            |             |      |                |               |
| 42 TO 46   |            |             |            |             |            |             |            |             |      |                |               |
| 37 TO 41   |            |             |            |             |            |             |            |             |      |                |               |
| 32 TO 36   |            |             |            |             |            |             |            |             |      |                |               |
| 27 TO 31   |            |             |            |             |            |             |            |             |      |                |               |
| 22 TO 26   |            |             |            |             |            |             |            |             |      |                |               |
| 17 TO 21   |            |             |            |             |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -59 & LWR  |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 12.4       | 13.1        | 7.7        | 3.9         | 15.4       | 17.5        | 12.5       | 5.6         | 9.8  | 992            | 100.0         |

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

13738  
STATION

CHARLESTON, SOUTH CAROLINA HNSD

FEBRUARY 73-DECEMBER 76  
YEARS

SEPTEMBER

ALL  
HOURS (L.G.T.)

WIND DIRECTION

| TEMP.      | NNW<br>& N | NNE<br>& NE | ENE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+       |            |             |            |             |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   |            |             | 50.0       |             |            | 50.0        |            |             |      | 4              | .2            |
| 87 TO 91   | 2.9        | 5.9         | 14.7       | 11.8        | 23.5       | 14.7        | 14.7       | 11.8        |      | 34             | 3.5           |
| 82 TO 86   | 9.2        | 11.3        | 12.7       | 8.5         | 27.5       | 10.6        | 11.3       | 2.8         | 6.3  | 142            | 14.8          |
| 77 TO 81   | 8.7        | 10.8        | 13.3       | 9.4         | 20.1       | 17.7        | 8.0        | 2.8         | 8.7  | 288            | 30.0          |
| 72 TO 76   | 19.3       | 16.1        | 10.6       | 2.6         | 5.8        | 10.0        | 9.6        | 5.8         | 20.3 | 311            | 32.4          |
| 67 TO 71   | 34.8       | 39.4        | 2.3        |             | 1.5        | 4.5         | 5.3        | 4.5         | 7.6  | 132            | 13.8          |
| 62 TO 66   | 50.0       | 27.8        |            |             |            |             |            | 16.7        | 5.6  | 36             | 3.8           |
| 57 TO 61   | 71.4       | 28.6        |            |             |            |             |            |             |      | 14             | 1.5           |
| 52 TO 56   | 100.0      |             |            |             |            |             |            |             |      | 1              | .1            |
| 47 TO 51   |            |             |            |             |            |             |            |             |      |                |               |
| 42 TO 46   |            |             |            |             |            |             |            |             |      |                |               |
| 37 TO 41   |            |             |            |             |            |             |            |             |      |                |               |
| 32 TO 36   |            |             |            |             |            |             |            |             |      |                |               |
| 27 TO 31   |            |             |            |             |            |             |            |             |      |                |               |
| 22 TO 26   |            |             |            |             |            |             |            |             |      |                |               |
| 17 TO 21   |            |             |            |             |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -59 & LVR  |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 18.1       | 17.2        | 10.4       | 5.3         | 13.0       | 11.4        | 8.4        | 4.8         | 11.4 | 960            | 100.0         |



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

13758  
STATION

CHARLESTON, SOUTH CAROLINA NWSE

FEBRUARY 73-DECEMBER 76  
YEARS

OCTOBER  
MONTH

ALL  
HOURS (LST.)

WIND DIRECTION

| TEMP.      | NNW<br>& N | NNE<br>& NE | ENE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 +      |            |             |            |             |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   |            |             |            |             |            |             |            |             |      |                |               |
| 87 TO 91   |            |             |            |             |            |             |            |             |      |                |               |
| 82 TO 86   | 6.7        | 26.7        | 20.0       | 26.7        | 13.3       |             | 6.7        |             |      | 13             | 1.5           |
| 77 TO 81   | 11.3       | 16.3        | 19.0       | 13.3        | 21.3       | 3.8         | 10.0       | 1.3         | 7.5  | 80             | 6.1           |
| 72 TO 76   | 21.0       | 18.4        | 11.5       | 7.5         | 16.7       | 4.6         | 4.0        | 5.2         | 10.3 | 174            | 17.5          |
| 67 TO 71   | 25.1       | 15.2        | 11.1       | 4.5         | 10.3       | 6.6         | 8.6        | 6.6         | 11.9 | 243            | 24.5          |
| 62 TO 66   | 32.0       | 25.1        | 3.4        | .5          | 2.5        | 3.4         | 10.8       | 7.4         | 14.6 | 203            | 20.5          |
| 57 TO 61   | 30.9       | 26.6        | 4.3        |             | 1.4        | 2.9         | 5.8        | 17.3        | 10.8 | 139            | 14.0          |
| 52 TO 56   | 35.6       | 31.5        | 5.5        |             |            |             | 6.2        | 13.7        | 5.5  | 73             | 7.4           |
| 47 TO 51   | 25.6       | 41.0        | 5.1        |             |            |             | 5.1        | 15.4        | 7.7  | 39             | 3.9           |
| 42 TO 46   | 23.8       | 42.9        |            |             |            |             | 14.3       | 19.0        |      | 21             | 2.1           |
| 37 TO 41   | 20.0       | 50.0        |            |             |            |             |            |             |      | 3              | .5            |
| 32 TO 36   |            |             |            |             |            |             |            |             |      |                |               |
| 27 TO 31   |            |             |            |             |            |             |            |             |      |                |               |
| 22 TO 26   |            |             |            |             |            |             |            |             |      |                |               |
| 17 TO 21   |            |             |            |             |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -59 & LVR  |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 26.1       | 27.3        | 5.2        | 4.0         | 8.1        | 3.0         | 7.9        | 8.6         | 10.6 | 992            | 100.0         |

13758

STATION

WIND DIRECTION

CHARLESTON, SOUTH CAROLINA

STATION NAME

WIND DIRECTION

FEBRUARY 78-DECEMBER 78

YEARS

NOVEMBER

MONTH

ALL

HOURS / L.S.T.

| TEMP.      | NNW<br>& N | NNE<br>& NE | ENE<br>& E | ESE<br>& SE | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 +      |            |             |            |             |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |             |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |             |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |             |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |             |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |             |            |             |            |             |      |                |               |
| 92 TO 96   |            |             |            |             |            |             |            |             |      |                |               |
| 87 TO 91   |            |             |            |             |            |             |            |             |      |                |               |
| 82 TO 86   |            |             |            |             |            |             |            |             |      |                |               |
| 77 TO 81   | 14.3       | 7.1         | 7.1        | 33.3        | 66.7       |             |            |             |      | 3              | .3            |
| 72 TO 76   | 5.2        | 1.5         | 10.3       | 8.8         | 14.3       | 21.4        | 21.4       | 7.1         | 7.1  | 14             | 1.5           |
| 67 TO 71   | 8.2        | 6.8         | 13.1       | 9.7         | 16.6       | 25.0        | 22.1       | 1.5         | 7.4  | 69             | 7.1           |
| 62 TO 66   | 11.5       | 9.5         | 6.8        | 3.4         | 11.3       | 15.5        | 17.9       | 5.5         | 9.0  | 145            | 15.1          |
| 57 TO 61   | 16.0       | 9.0         | 12.8       | 2.6         | 7.1        | 11.3        | 16.7       | 4.7         | 18.2 | 148            | 15.4          |
| 52 TO 56   | 25.7       | 15.4        | 4.6        | .7          | 1.3        | 6.6         | 19.1       | 8.3         | 16.0 | 150            | 15.3          |
| 47 TO 51   | 35.0       | 16.4        | .8         | .8          |            | 4.9         | 16.3       | 10.6        | 16.3 | 152            | 15.8          |
| 42 TO 46   | 31.3       | 20.2        |            |             |            |             | 22.2       | 13.1        | 13.1 | 123            | 12.8          |
| 37 TO 41   | 22.0       | 31.7        | 2.4        |             |            |             | 9.8        | 17.1        | 17.1 | 41             | 4.3           |
| 32 TO 36   | 27.3       | 9.1         | 9.1        |             |            |             | 9.1        | 36.4        | 9.1  | 11             | 1.1           |
| 27 TO 31   |            |             |            |             |            |             |            |             |      |                |               |
| 22 TO 26   |            |             |            |             |            |             |            |             |      |                |               |
| 17 TO 21   |            |             |            |             |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |             |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |             |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |             |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |             |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |             |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |             |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |             |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |             |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |             |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |             |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |             |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |             |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |             |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |             |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |             |            |             |            |             |      |                |               |
| -59 & LVR  |            |             |            |             |            |             |            |             |      |                |               |
| TOTALS     | 19.3       | 11.9        | 6.9        | 3.4         | 7.3        | 10.3        | 18.1       | 9.3         | 13.5 | 960            | 100.0         |

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR.

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

13758 STATION NAME CHARLESTON, SOUTH CAROLINA NWSE0 FEBRUARY 73-DECEMBER 76 YEARS MONTH DECEMBER ALL HOURS 0000-2359

| TEMP.      | NNW<br>& N | NNE<br>& NE | ESE<br>& E | SSE<br>& S | SSW<br>& SW | WSW<br>& W | VNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122 +      |            |             |            |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |            |             |            |             |      |                |               |
| 92 TO 96   |            |             |            |            |             |            |             |      |                |               |
| 87 TO 91   |            |             |            |            |             |            |             |      |                |               |
| 82 TO 86   |            |             |            |            |             |            |             |      |                |               |
| 77 TO 81   |            |             |            |            |             |            |             |      |                |               |
| 72 TO 76   |            |             |            | 42.9       | 42.9        |            |             | 14.3 | 7              | .7            |
| 67 TO 71   |            | 6.1         | 18.2       | 36.4       | 15.2        | 15.2       | 6.1         |      | 33             | 3.3           |
| 62 TO 66   | 3.4        | 3.4         | 4.3        | 27.4       | 26.5        | 18.8       | 3.4         | 6.8  | 117            | 11.8          |
| 57 TO 61   | 5.0        | 6.6         | 3.3        | 18.2       | 16.6        | 22.7       | 5.0         | 13.3 | 181            | 18.2          |
| 52 TO 56   | 14.5       | 16.8        | 7.5        | 1.2        | 8.1         | 17.3       | 10.4        | 19.1 | 173            | 17.4          |
| 47 TO 51   | 20.7       | 14.0        | 4.3        | 3.7        | 4.9         | 20.1       | 16.5        | 13.4 | 164            | 16.3          |
| 42 TO 46   | 19.7       | 16.6        | 3.8        | .5         | 1.3         | 26.1       | 17.2        | 14.6 | 157            | 15.8          |
| 37 TO 41   | 19.3       | 16.3        | 2.8        |            | 1.3         | 24.8       | 22.0        | 13.8 | 109            | 11.0          |
| 32 TO 36   | 25.0       | 16.7        |            |            |             | 22.2       | 25.0        | 11.1 | 30             | 3.6           |
| 27 TO 31   | 35.7       | 7.1         |            |            |             | 14.3       | 26.6        | 14.3 | 14             | 1.4           |
| 22 TO 26   |            | 100.0       |            |            |             |            |             |      | 1              | .1            |
| 17 TO 21   |            |             |            |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |            |             |            |             |      |                |               |
| -59 & LVR  |            |             |            |            |             |            |             |      |                |               |
| TOTALS     | 13.3       | 12.3        | 5.4        | 2.5        | 9.5         | 9.6        | 21.1        | 12.5 | 13.3           | 992 100.0     |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

13738 STATION NAME CHARLESTON, SOUTH CAROLINA NWSE FEBRUARY 73-DECEMBER 76 MONTH ALL ALL HOURS 100.0

| TEMP.      | NNW<br>& N | NNE<br>& NE | ESE<br>& E | SSE<br>& S | SSW<br>& SW | WSW<br>& W | WNW<br>& NW | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|-------------|------------|------------|-------------|------------|-------------|------|----------------|---------------|
| 122+       |            |             |            |            |             |            |             |      |                |               |
| 117 TO 121 |            |             |            |            |             |            |             |      |                |               |
| 112 TO 116 |            |             |            |            |             |            |             |      |                |               |
| 107 TO 111 |            |             |            |            |             |            |             |      |                |               |
| 102 TO 106 |            |             |            |            |             |            |             |      |                |               |
| 97 TO 101  |            |             |            |            |             |            |             |      |                |               |
| 92 TO 96   | 2.0        |             | 2.0        | 12.0       | 18.0        | 36.0       | 16.0        | 8.0  | 50             | .4            |
| 87 TO 91   | 4.2        | 4.5         | 4.2        | 24.0       | 16.6        | 26.5       | 10.2        | 5.4  | 313            | 2.7           |
| 82 TO 86   | 5.9        | 5.7         | 9.4        | 27.0       | 18.1        | 15.9       | 4.5         | 3.9  | 905            | 7.9           |
| 77 TO 81   | 6.0        | 7.8         | 8.2        | 20.6       | 20.9        | 15.5       | 3.4         | 8.9  | 1772           | 15.5          |
| 72 TO 76   | 13.5       | 12.3        | 5.4        | 14.7       | 14.4        | 12.4       | 5.6         | 13.1 | 1041           | 16.1          |
| 67 TO 71   | 13.2       | 12.0        | 8.2        | 15.8       | 16.0        | 16.5       | 5.4         | 7.1  | 1433           | 12.5          |
| 62 TO 66   | 11.3       | 9.9         | 7.0        | 12.7       | 16.4        | 19.0       | 5.9         | 11.3 | 1307           | 11.4          |
| 57 TO 61   | 13.8       | 10.3        | 9.7        | 12.9       | 12.1        | 16.8       | 8.8         | 13.1 | 1200           | 10.5          |
| 52 TO 56   | 17.9       | 14.9        | 9.3        | 4.1        | 7.9         | 16.2       | 11.5        | 15.4 | 921            | 8.1           |
| 47 TO 51   | 22.4       | 15.8        | 6.1        | 2.2        | 4.8         | 16.5       | 12.7        | 16.8 | 691            | 6.0           |
| 42 TO 46   | 24.7       | 18.0        | 4.5        | 1.7        | 1.9         | 21.0       | 16.0        | 11.7 | 538            | 4.7           |
| 37 TO 41   | 24.6       | 19.7        | 3.0        | .3         | 1.6         | 17.7       | 21.3        | 11.1 | 305            | 2.7           |
| 32 TO 36   | 28.8       | 16.3        | 3.8        |            |             | 15.4       | 24.0        | 11.5 | 104            | .9            |
| 27 TO 31   | 47.2       | 26.4        | 1.9        |            |             | 3.8        | 13.2        | 7.5  | 53             | .5            |
| 22 TO 26   | 42.9       | 57.1        |            |            |             |            |             |      | 7              | .1            |
| 17 TO 21   |            |             |            |            |             |            |             |      |                |               |
| 12 TO 16   |            |             |            |            |             |            |             |      |                |               |
| 7 TO 11    |            |             |            |            |             |            |             |      |                |               |
| 2 TO 6     |            |             |            |            |             |            |             |      |                |               |
| -3 TO 1    |            |             |            |            |             |            |             |      |                |               |
| -8 TO -4   |            |             |            |            |             |            |             |      |                |               |
| -13 TO -9  |            |             |            |            |             |            |             |      |                |               |
| -18 TO -14 |            |             |            |            |             |            |             |      |                |               |
| -23 TO -19 |            |             |            |            |             |            |             |      |                |               |
| -28 TO -24 |            |             |            |            |             |            |             |      |                |               |
| -33 TO -29 |            |             |            |            |             |            |             |      |                |               |
| -38 TO -34 |            |             |            |            |             |            |             |      |                |               |
| -43 TO -39 |            |             |            |            |             |            |             |      |                |               |
| -48 TO -44 |            |             |            |            |             |            |             |      |                |               |
| -53 TO -49 |            |             |            |            |             |            |             |      |                |               |
| -58 TO -54 |            |             |            |            |             |            |             |      |                |               |
| -59 & LVP  |            |             |            |            |             |            |             |      |                |               |
| TOTALS     | 13.2       | 11.3        | 7.9        | 13.5       | 13.7        | 16.5       | 7.7         | 10.8 | 11440          | 100.0         |





NWSED, Federal Building  
Asheville, N. C.

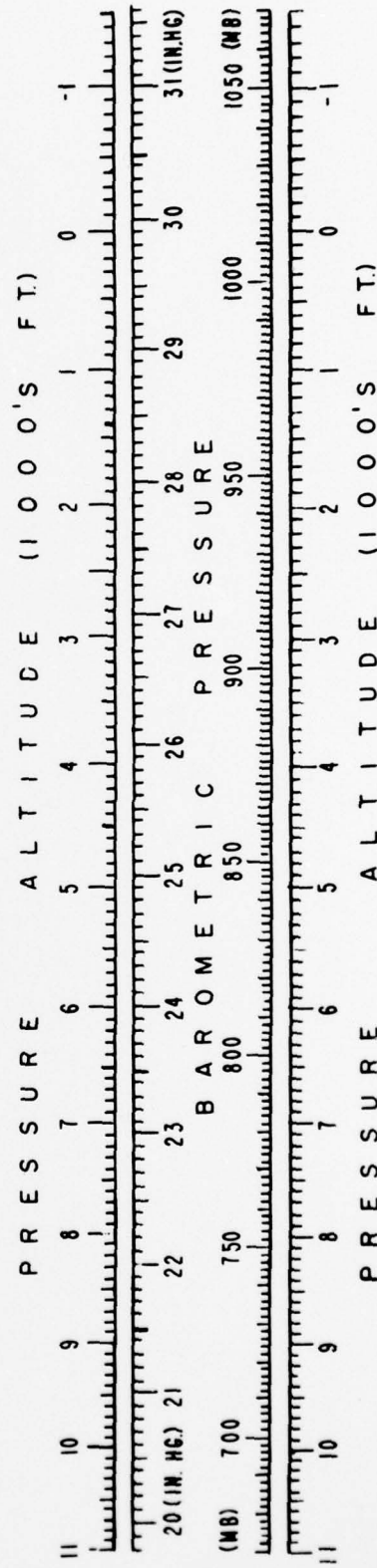
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



## MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

13758 CHARLESTON, SOUTH CAROLINA NWSE 73-76

STATION NAME YEARS

| HRS.(LST.) | JAN.                       | FEB.                   | MAR.                   | APR.                   | MAY                    | JUN.                   | JUL.                   | AUG.                   | SEP.                   | OCT.                   | NOV.                   | DEC.                   | ANNUAL                   |
|------------|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|
| 01         | MEAN<br>S. D.<br>TOTAL OBS | 1020.9<br>5.581<br>93  | 1019.0<br>6.098<br>113 | 1017.6<br>5.931<br>124 | 1014.7<br>4.256<br>124 | 1015.9<br>3.826<br>120 | 1016.6<br>3.484<br>124 | 1017.9<br>2.956<br>124 | 1016.6<br>3.640<br>120 | 1016.7<br>5.410<br>124 | 1020.0<br>5.141<br>120 | 1019.3<br>7.086<br>124 | 1017.8<br>5.372<br>1430  |
| 04         | MEAN<br>S. D.<br>TOTAL OBS | 1020.7<br>5.759<br>93  | 1018.5<br>6.069<br>113 | 1016.9<br>6.146<br>124 | 1014.2<br>4.251<br>124 | 1015.3<br>3.813<br>120 | 1015.9<br>3.485<br>124 | 1017.3<br>2.947<br>124 | 1016.1<br>3.580<br>120 | 1018.5<br>5.484<br>124 | 1019.9<br>5.106<br>120 | 1019.3<br>6.909<br>124 | 1017.4<br>5.417<br>1430  |
| 07         | MEAN<br>S. D.<br>TOTAL OBS | 1021.3<br>6.000<br>93  | 1019.4<br>6.192<br>113 | 1018.1<br>6.068<br>124 | 1015.4<br>4.311<br>124 | 1016.4<br>3.857<br>120 | 1017.0<br>3.582<br>124 | 1018.4<br>2.897<br>124 | 1017.1<br>3.670<br>120 | 1019.6<br>5.570<br>124 | 1020.8<br>5.197<br>120 | 1020.0<br>6.888<br>124 | 1016.4<br>5.437<br>1430  |
| 10         | MEAN<br>S. D.<br>TOTAL OBS | 1022.7<br>6.069<br>93  | 1019.5<br>6.488<br>112 | 1019.2<br>6.431<br>120 | 1015.9<br>4.435<br>124 | 1016.9<br>3.870<br>120 | 1017.6<br>3.642<br>124 | 1019.1<br>2.985<br>124 | 1017.9<br>3.733<br>120 | 1020.4<br>5.740<br>124 | 1021.7<br>5.336<br>120 | 1021.1<br>6.907<br>124 | 1019.3<br>5.608<br>1429  |
| 13         | MEAN<br>S. D.<br>TOTAL OBS | 1020.7<br>6.209<br>93  | 1019.1<br>6.674<br>112 | 1017.7<br>6.446<br>124 | 1015.0<br>4.357<br>124 | 1016.4<br>3.949<br>120 | 1016.9<br>3.717<br>124 | 1018.4<br>2.988<br>124 | 1017.0<br>3.774<br>120 | 1019.0<br>5.742<br>124 | 1019.7<br>5.414<br>120 | 1019.1<br>7.007<br>124 | 1018.0<br>5.553<br>1429  |
| 16         | MEAN<br>S. D.<br>TOTAL OBS | 1019.9<br>6.056<br>93  | 1017.6<br>6.687<br>112 | 1016.1<br>6.451<br>124 | 1013.8<br>4.302<br>124 | 1015.3<br>4.015<br>120 | 1015.6<br>3.656<br>124 | 1017.1<br>2.993<br>124 | 1015.6<br>3.856<br>120 | 1018.0<br>5.605<br>124 | 1018.9<br>5.315<br>120 | 1018.3<br>6.929<br>124 | 1016.9<br>5.542<br>1429  |
| 19         | MEAN<br>S. D.<br>TOTAL OBS | 1020.8<br>5.863<br>93  | 1018.4<br>6.822<br>113 | 1017.0<br>6.265<br>124 | 1014.0<br>4.203<br>124 | 1015.5<br>3.884<br>120 | 1015.9<br>3.649<br>124 | 1017.3<br>2.937<br>124 | 1016.1<br>3.692<br>120 | 1018.0<br>5.483<br>124 | 1019.9<br>5.172<br>120 | 1019.2<br>6.847<br>124 | 1017.4<br>5.529<br>1430  |
| 22         | MEAN<br>S. D.<br>TOTAL OBS | 1021.4<br>5.577<br>93  | 1019.2<br>6.484<br>113 | 1017.6<br>5.884<br>124 | 1015.1<br>4.156<br>124 | 1016.5<br>3.802<br>120 | 1016.9<br>3.541<br>124 | 1018.3<br>2.879<br>124 | 1017.1<br>3.667<br>120 | 1019.4<br>5.544<br>124 | 1020.4<br>5.122<br>120 | 1019.6<br>6.893<br>124 | 1018.2<br>5.378<br>1430  |
| ALL HOURS  | MEAN<br>S. D.<br>TOTAL OBS | 1021.0<br>5.913<br>744 | 1019.0<br>6.469<br>901 | 1017.5<br>6.225<br>992 | 1014.7<br>4.324<br>992 | 1016.0<br>3.904<br>960 | 1016.6<br>3.633<br>992 | 1018.0<br>3.011<br>992 | 1016.7<br>3.754<br>960 | 1019.1<br>5.595<br>992 | 1020.2<br>5.265<br>960 | 1019.5<br>6.951<br>992 | 1017.9<br>5.522<br>11437 |



## MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

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STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

19758 CHARLESTON, SOUTH CAROLINA NHSD 73-75

STATION NAME

YEARS

| HRS.(LST.) | JAN.                       | FEB.                    | MAR.                    | APR.                    | MAY                     | JUN.                    | JUL.                    | AUG.                    | SEP.                    | OCT.                    | NOV.                    | DEC.                  | ANNUAL                  |
|------------|----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-------------------------|
| 01         | MEAN<br>S. D.<br>TOTAL OBS | 30.13730<br>.165<br>93  | 30.07930<br>.181<br>93  | 30.03830<br>.175<br>124 | 29.95229<br>.125<br>124 | 29.98930<br>.113<br>120 | 30.00930<br>.102<br>124 | 30.04930<br>.086<br>124 | 30.01430<br>.107<br>120 | 30.07730<br>.159<br>124 | 30.11030<br>.152<br>120 | 30.090<br>.209<br>124 | 30.046<br>.158<br>1430  |
| 04         | MEAN<br>S. D.<br>TOTAL OBS | 30.13330<br>.171<br>93  | 30.06630<br>.180<br>93  | 30.01730<br>.181<br>124 | 29.93829<br>.126<br>124 | 29.97229<br>.113<br>120 | 29.99030<br>.103<br>124 | 30.03229<br>.086<br>124 | 29.99630<br>.105<br>120 | 30.06730<br>.161<br>124 | 30.10830<br>.152<br>120 | 30.088<br>.204<br>124 | 30.034<br>.160<br>1430  |
| 07         | MEAN<br>S. D.<br>TOTAL OBS | 30.14930<br>.178<br>93  | 30.09330<br>.184<br>93  | 30.05330<br>.179<br>124 | 29.97329<br>.128<br>124 | 30.00330<br>.114<br>120 | 30.02130<br>.105<br>124 | 30.06330<br>.084<br>124 | 30.02630<br>.109<br>120 | 30.09730<br>.163<br>124 | 30.13330<br>.154<br>120 | 30.108<br>.203<br>124 | 30.064<br>.160<br>1430  |
| 10         | MEAN<br>S. D.<br>TOTAL OBS | 30.19030<br>.180<br>93  | 30.12630<br>.193<br>93  | 30.08130<br>.185<br>124 | 29.98930<br>.131<br>124 | 30.01930<br>.113<br>120 | 30.03830<br>.107<br>124 | 30.08530<br>.087<br>124 | 30.04930<br>.110<br>120 | 30.12230<br>.163<br>124 | 30.16030<br>.157<br>120 | 30.144<br>.205<br>124 | 30.088<br>.165<br>1429  |
| 13         | MEAN<br>S. D.<br>TOTAL OBS | 30.13130<br>.184<br>93  | 30.08230<br>.197<br>93  | 30.04230<br>.190<br>124 | 29.96329<br>.129<br>124 | 30.00230<br>.117<br>120 | 30.01930<br>.110<br>124 | 30.06230<br>.086<br>124 | 30.02130<br>.111<br>120 | 30.08030<br>.165<br>124 | 30.10230<br>.160<br>120 | 30.083<br>.207<br>124 | 30.052<br>.164<br>1429  |
| 16         | MEAN<br>S. D.<br>TOTAL OBS | 30.11030<br>.179<br>93  | 30.04029<br>.198<br>93  | 30.01529<br>.190<br>124 | 29.92629<br>.127<br>124 | 29.97229<br>.118<br>120 | 29.98530<br>.107<br>124 | 30.02429<br>.087<br>124 | 29.98130<br>.114<br>120 | 30.05130<br>.164<br>124 | 30.07630<br>.157<br>120 | 30.061<br>.204<br>124 | 30.017<br>.163<br>1429  |
| 19         | MEAN<br>S. D.<br>TOTAL OBS | 30.13530<br>.174<br>93  | 30.06230<br>.202<br>93  | 30.01030<br>.183<br>124 | 29.93329<br>.124<br>124 | 29.97829<br>.115<br>120 | 30.02030<br>.104<br>124 | 30.06030<br>.086<br>124 | 29.99430<br>.109<br>120 | 30.07330<br>.160<br>124 | 30.10630<br>.154<br>120 | 30.085<br>.202<br>124 | 30.032<br>.163<br>1430  |
| 22         | MEAN<br>S. D.<br>TOTAL OBS | 30.15430<br>.165<br>93  | 30.08630<br>.193<br>93  | 30.03830<br>.173<br>124 | 29.96430<br>.122<br>124 | 30.00530<br>.113<br>120 | 30.02030<br>.104<br>124 | 30.06030<br>.086<br>124 | 30.02330<br>.109<br>120 | 30.09330<br>.162<br>124 | 30.12030<br>.152<br>120 | 30.100<br>.204<br>124 | 30.057<br>.159<br>1430  |
| ALL HOURS  | MEAN<br>S. D.<br>TOTAL OBS | 30.14230<br>.175<br>744 | 30.07930<br>.192<br>901 | 30.03430<br>.184<br>992 | 29.95529<br>.128<br>992 | 29.99330<br>.116<br>960 | 30.00930<br>.107<br>992 | 30.05030<br>.087<br>992 | 30.01330<br>.111<br>960 | 30.08230<br>.164<br>992 | 30.11430<br>.156<br>960 | 30.095<br>.205<br>992 | 30.049<br>.163<br>11437 |